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Ohio Labor Market Information

Labor Market Review

November 1989

Summary. The seasonally adjusted unemployment rate in Ohio, at 6.3 percent in November, was up from 6.1 percent in October. The U.S. rate was also higher, rising from 5.3 percent to 5.4 percent. Total employment in Ohio declined 70,000 to 5,099,000 while total unemployment, at 345,000, increased 11,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio totaled 4,832,000 in November, up 18,000 from October. Strong gains were recorded in both manufacturing and nonmanufacturing industries. (See page 3.)

Factory Employment. Increases in most durable-goods industries boosted manufacturing employment 7,000 from October to 1,101,000 in November. The settlement of labor–management disputes in nonelectrical machinery and primary metal industries along with partial recalls in transportation equipment helped raise durable-goods employment 7,000 to 739,000. Nondurable-goods employment was virtually unchanged from October at 362,000.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 10,000 from October to 3,731,000 in November. The largest gain occurred in services (+6,000). Retail trade added 2,000 jobs, while construction and wholesale trade were up 1,000 each. Employment in mining, transportation and public utilities, and finance, insurance, and real estate was unchanged from October. Government employment declined 1,000 from the previous month.

Over the Year. The unemployment rate in Ohio rose from 5.7 percent in November 1988 to 6.3 percent in November 1989. The national rate of 5.4 percent was on par with November 1988. Total employment in Ohio was up 40,000 from November 1988; the number unemployed increased 38,000. Nonfarm wage and salary employment rose 111,000 over the year. Employment in services advanced 51,000, retail trade was up 31,000, and construction added 13,000 jobs from November 1988. Declines in durable-goods industries were responsible for a loss of 9,000 in manufacturing employment over the year.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of $528.20 in November, up $5.02 from October. Their average workweek grew .2 hours to 42.7 hours. Most industries had higher earnings due to increased overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, aircraft and parts, and metalworking machinery.

Benefits and Costs. In November, 75,837 initial claims were filed under the Ohio Unemployment Compensation Law, up 32.7 percent from October, and up 39.1 percent from November 1988. The average benefit check rose $.49 to $168.20. Total benefits paid, at $44.8 million, were up 20.8 percent. The average weekly number of benefit recipients

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

increased 5.8 percent from October to 59,052. At the end of November there were 206,038 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,748 new job applicants in November, down 12.4 percent from October, and down 10.1 percent from November 1988. Job openings received from employers fell 23.7 percent from October to 8,086. The Employment Services Division made 20,039 job referrals and 4,163 placements.

Ohio At Work, 1988 Chartbook

The Labor Market Information Division of the Ohio Bureau of Employment Services is announcing the publication of the new edition of the *Ohio At Work, 1988 Chartbook*. This chartbook is a graphic presentation of information on the composition and trends of Ohio's civilian labor force and its two components, the employed and the unemployed. This edition of the Chartbook consists of 44 charts and accompanying data, including trend information and comparisons between Ohio and the United States.

The Chartbook is based on data from the Current Population Survey conducted for the U.S. Bureau of Labor Statistics by the Bureau of the Census. Ohio data were provided to the Ohio Bureau of Employment Services as part of the federal–state cooperative Local Area Unemployment Statistics program.

To order your free copy of *Ohio At Work, 1988 Chartbook*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	November 1989	October 1989	November 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,444	5,503	5,366	-59	78	-1.1	1.5
Employment	5,099	5,169	5,059	-70	40	-1.4	0.8
Unemployment	345	334	307	11	38	3.3	12.4
Unemployment Rate	6.3	6.1	5.7				
Employer Survey Data[e]							
Total	4,832	4,814	4,721	18	111	0.4	2.3
Manufacturing	1,101	1,094	1,110	7	-9	0.7	-0.8
Durable Goods	739	732	750	7	-11	0.9	-1.4
Nondurable Goods	362	362	361	1	2	0.2	0.4
Nonmanufacturing	3,731	3,720	3,611	10	120	0.3	3.3
Mining	20	20	19	0	0	-0.5	2.2
Construction	199	198	186	1	13	0.5	6.8
Transportation and Public Utilities	215	215	213	0	3	0.1	1.2
Wholesale Trade	265	264	258	1	8	0.5	2.9
Retail Trade	918	916	887	2	31	0.3	3.5
Finance, Insurance, and Real Estate	257	257	252	0	5	0.0	2.0
Services	1,154	1,147	1,102	6	51	0.6	4.7
Government	703	704	694	-1	9	-0.1	1.3
Goods Producing Industries[f]	1,320	1,311	1,316	8	4	0.6	0.3
Service Producing Industries[g]	3,512	3,503	3,406	10	107	0.3	3.1

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.
[b]Changes are computed from unrounded numbers.
[c]Percentages are computed from unrounded numbers.
[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.
[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.
[f]Includes Mining, Construction, and Manufacturing.
[g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3
5,450	5,157	293	5.4	5.2
5,469	5,209	260	4.8	5.2
5,491	5,216	275	5.0	5.3
5,503	5,169	334	6.1	5.3
5,444	5,099	345	6.3	5.4

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

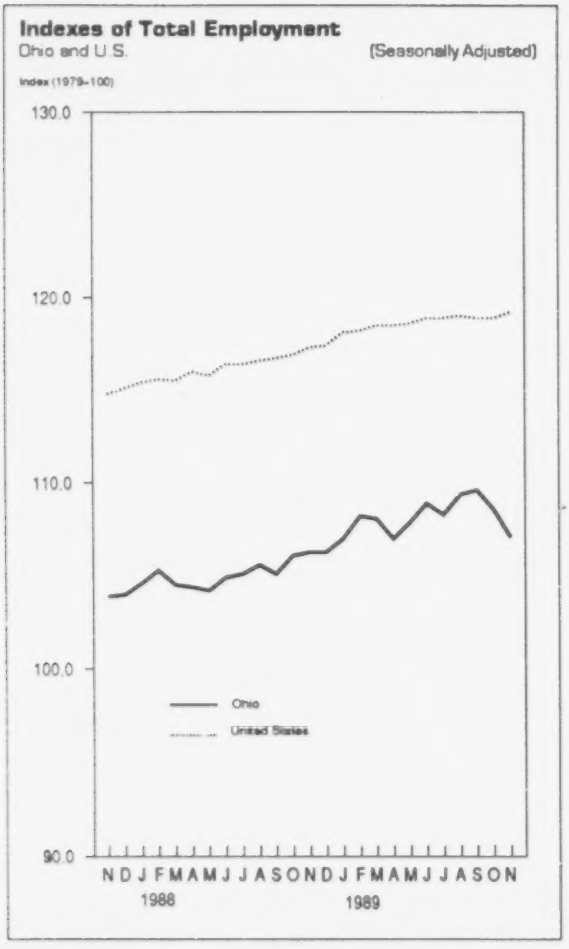
	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1987				
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	362
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,787	1,100	740	359
August	4,807	1,108	748	360
September	4,815	1,106	745	361
October	4,814	1,094	732	362
November	4,832	1,101	739	362

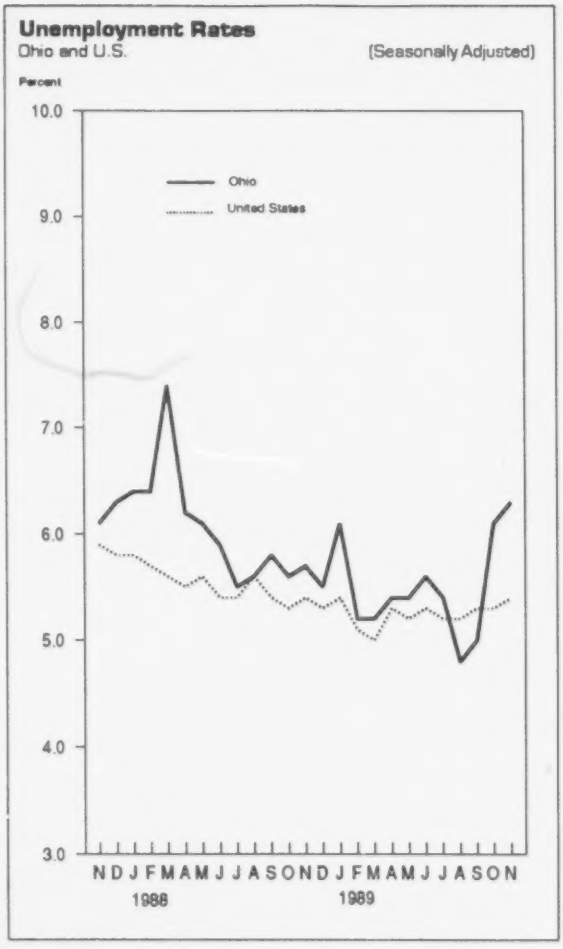
Nonmanufacturing Employment

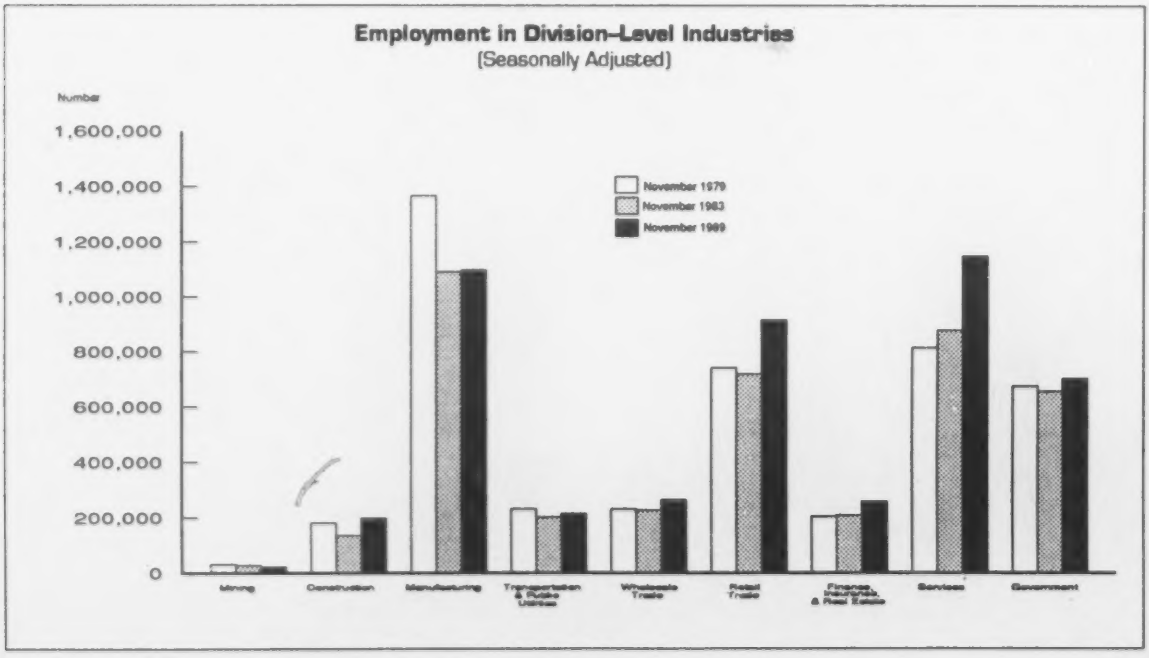
(in thousands)

Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,525	21	180	210	251	1987 November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
3,533	20	181	210	251	1988 January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
3,642	19	196	213	259	1989 January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,688	17	197	214	262	July	908	255	1136	698
3,700	20	197	215	263	August	910	256	1140	698
3,709	20	198	215	263	September	912	257	1145	699
3,720	20	198	215	264	October	916	257	1147	704
3,731	20	199	215	265	November	918	257	1154	703

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
130.0
120.0
110.0
100.0
90.0
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1988
1989


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1988
1989


Employment in Division-Level Industries
(Seasonally Adjusted)
Number
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
November 1979
November 1983
November 1989
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January
5,380	5,063	317	5.9	5.6	February
5,375	5,068	307	5.7	5.2	March
5,357	5,085	273	5.1	5.1	April
5,419	5,143	277	5.1	5.0	May
5,537	5,216	321	5.8	5.5	June
5,526	5,248	277	5.0	5.3	July
5,517	5,257	261	4.7	5.1	August
5,460	5,192	269	4.9	5.1	September
5,513	5,203	310	5.6	5.0	October
5,471	5,147	324	5.9	5.2	November

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,098.9	740.4	358.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,669.0	1,112.2	751.4	360.8	January
4,671.4	1,107.3	747.9	359.4	February
4,707.6	1,106.9	748.1	358.8	March
4,761.0	1,107.1	748.4	358.7	April
4,811.3	1,107.5	748.7	358.8	May
4,831.8	1,112.5	750.8	361.7	June
4,791.5	1,099.6	739.6	360.0	July
4,807.2	1,109.4	746.3	363.1	August
4,855.2	1,113.3	747.0	366.3	September
4,869.6	1,098.7	734.3	364.4	October
4,888.3	1,107.3	743.4	363.9	November

Nonmanufacturing Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
					1988				
3,719.0	19.7	197.4	214.7	258.5	November	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	December	921.4	252.4	1,101.0	710.0
					1989				
3,556.9	18.9	167.0	208.7	256.9	January	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	February	867.2	250.8	1,091.8	708.0
3,600.8	18.7	170.8	209.7	257.8	March	876.3	251.5	1,103.0	712.9
3,653.9	19.0	184.7	212.8	259.7	April	889.8	253.1	1,125.5	709.3
3,703.7	19.2	197.0	214.3	261.3	May	904.2	254.6	1,138.7	714.4
3,719.4	19.8	206.5	216.0	263.1	June	912.5	257.0	1,149.9	694.5
3,692.0	17.0	215.0	216.0	263.8	July	913.8	258.5	1,151.2	656.5
3,697.8	20.1	218.0	217.0	263.8	August	918.6	259.0	1,152.6	648.7
3,741.9	20.2	217.3	217.3	263.7	September	920.1	257.8	1,160.2	685.3
3,770.9	20.2	218.0	217.9	265.6	October	923.9	257.3	1,155.2	712.8
3,781.0	20.1	210.8	217.6	266.1	November	937.4	257.2	1,153.6	718.2

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,098.9	740.4	358.4	1987
1,103.1	743.6	359.6	1988
			1988
1,115.7	753.3	362.3	November
1,115.1	752.5	362.6	December
			1989
1,112.2	751.4	360.8	January
1,107.3	747.9	359.4	February
1,106.9	748.1	358.8	March
1,107.1	748.4	358.7	April
1,107.5	748.7	358.8	May
1,112.5	750.8	361.7	June
1,099.6	739.6	360.0	July
1,109.4	746.3	363.1	August
1,113.3	747.0	366.3	September
1,098.7	734.3	364.4	October
1,107.3	743.4	363.9	November

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
985.5	$302.5	41.5	1978
979.0	318.5	40.6	1979
867.8	301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.4	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
759.1	391.7	32.6	1988
			1988
771.1	410.1	33.7	November
770.1	411.5	33.7	December
			1989
766.2	404.1	33.1	January
762.0	400.1	32.8	February
761.4	400.2	32.7	March
761.4	397.0	32.5	April
761.1	397.5	32.5	May
764.1	402.9	32.8	June
750.5	383.3	31.5	July
759.9	391.3	32.0	August
764.7	404.2	32.7	September
751.6	393.2	31.9	October
759.9	401.4	32.4	November

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$306.91	$316.83	$279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
516.00	538.59	465.47	1988
			1988
531.83	557.80	472.43	November
534.36	557.80	479.62	December
			1989
527.47	551.06	472.36	January
525.03	547.67	472.63	February
525.53	549.41	470.50	March
521.37	542.59	473.71	April
522.22	543.46	471.86	May
527.24	546.05	480.48	June
510.72	526.66	472.79	July
514.88	530.87	476.74	August
528.58	548.66	482.05	September
523.18	541.85	481.43	October
528.20	549.09	483.84	November

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
			1988
43.7	44.2	42.6	November
43.8	44.2	42.9	December
			1989
43.2	43.7	42.1	January
43.0	43.5	41.9	February
42.9	43.5	41.6	March
42.7	43.2	41.7	April
42.7	43.2	41.5	May
42.9	43.2	42.0	June
42.0	42.2	41.4	July
42.1	42.3	41.6	August
42.8	43.1	42.1	September
42.5	42.8	41.9	October
42.7	43.1	42.0	November

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$ 7.29	$ 7.49	$ 6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
12.00	12.41	11.03	1988
			1988
12.17	12.62	11.09	November
12.20	12.62	11.18	December
			1989
12.21	12.61	11.22	January
12.21	12.59	11.28	February
12.25	12.63	11.31	March
12.21	12.56	11.36	April
12.23	12.58	11.37	May
12.29	12.64	11.44	June
12.16	12.48	11.42	July
12.23	12.55	11.46	August
12.35	12.73	11.45	September
12.31	12.66	11.49	October
12.37	12.74	11.52	November

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

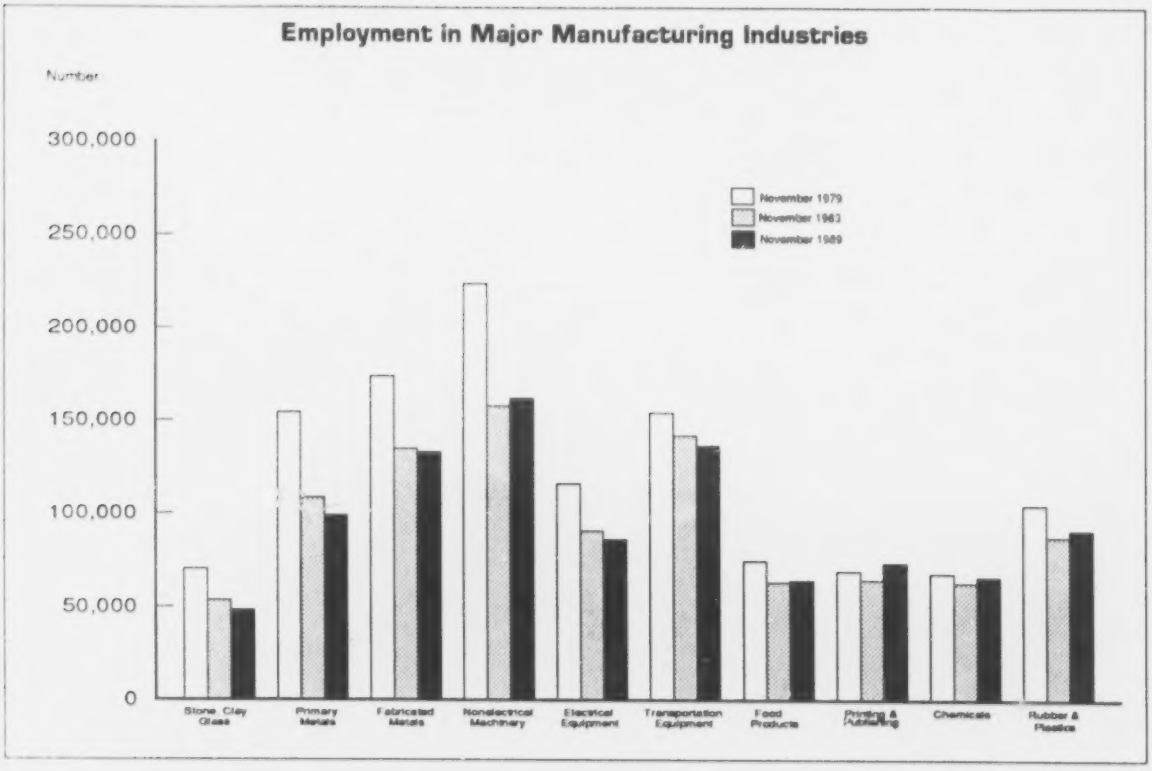
Employment
(thousands)

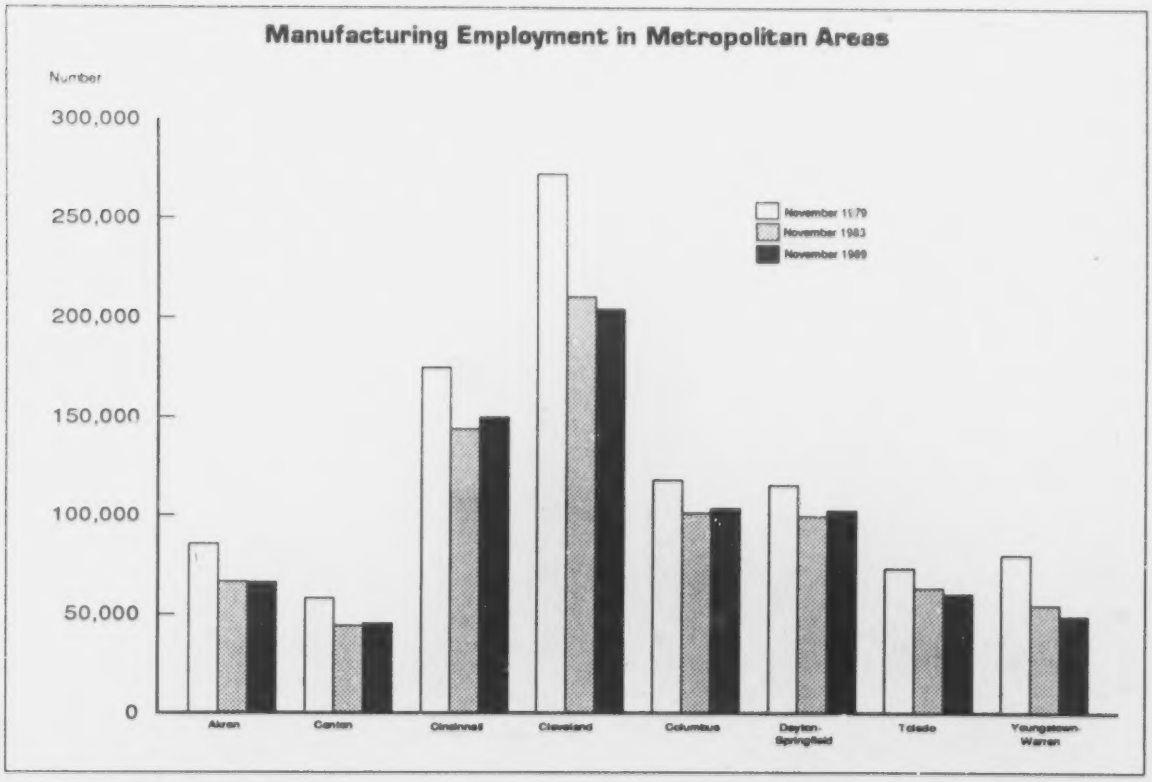
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	Feoruary	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.1	97.9	131.2	July	163.5	85.0	133.9	July	62.6	72.0	88.5
48.5	99.2	131.3	August	162.8	85.2	138.6	August	63.9	72.2	89.8
48.2	99.5	133.3	September	162.8	86.0	136.1	September	66.4	72.7	90.4
47.8	97.2	131.7	October	158.8	85.3	132.7	October	64.6	72.8	90.6
48.0	98.8	132.7	November	161.8	85.6	136.2	November	63.8	72.9	90.7

Average Weekly Earnings of Production Workers

$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
472.01	605.52	499.62	July	521.00	448.34	676.24	July	462.00	449.26	447.72
476.87	612.14	490.69	August	519.78	458.97	688.97	August	468.00	450.45	446.04
471.16	627.64	523.98	September	536.98	462.56	724.36	September	456.12	469.57	453.69
481.60	609.55	509.04	October	535.78	466.21	714.15	October	455.52	469.57	442.68
480.74	613.68	516.01	November	540.82	469.00	728.46	November	467.58	475.10	439.94

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


Employment in Major Manufacturing Industries
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
November 1979
November 1983
November 1989
Stone, Clay Glass
Primary Metals
Fabricated Metals
Nonelectrical Machinery
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


Manufacturing Employment in Metropolitan Areas
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
November 1979
November 1983
November 1989
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton-Springfield
Toledo
Youngstown-Warren

Ohio

Nonagricultural Wage and Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	4888.3	4869.6	4834.7	18.7	53.7
Manufacturing	1107.3	1098.7	1115.7	8.6	-8.3
Durable Goods[e]	743.4	734.3	753.3	9.1	-9.9
Lumber and wood products	25.0	25.3	23.3	-.3	1.8
Furniture and fixtures	15.0	14.8	15.0	.2	.0
Stone, clay, and glass products	48.0	47.8	48.4	.2	-.4
Glass and glassware, pressed or blown	8.9	8.9	8.8	.1	.1
Primary metal industries	98.8	97.2	101.6	1.6	-2.8
Blast furnace and basic steel products	44.9	43.0	45.9	2.0	-1.0
Iron and steel foundries	19.6	19.8	20.4	-.2	-.7
Nonferrous rolling and drawing	17.2	17.2	18.0	.0	-.8
Fabricated metal products	132.7	131.7	134.4	1.0	-1.7
Cutlery, hand tools, and hardware	9.8	9.6	10.2	.1	-.5
Fabricated structural metal products	28.3	28.2	28.4	.0	-.2
Metal forgings and stampings	40.3	40.0	41.8	.2	-1.6
Machinery, except electrical	161.8	158.8	161.7	3.0	.1
Construction and related machinery	13.8	13.7	13.4	.1	.4
Metalworking machinery	43.0	42.9	42.0	.1	1.0
Special industry machinery	18.0	18.4	18.2	-.4	-.2
General industrial machinery	28.7	25.8	28.7	3.0	.1
Office and computing machines	12.0	12.0	12.6	.0	-.6
Refrigeration and service machinery	15.7	15.7	16.3	-.1	-.6
Electric and electronic equipment	85.6	85.3	86.9	.3	-1.3
Electrical industrial apparatus	17.8	17.7	17.5	.1	.3
Household appliances	15.5	15.4	16.2	.1	-.7
Electric lighting and wiring equipment	17.0	16.8	17.4	.2	-.3
Communication equipment	9.2	9.3	9.3	-.1	-.1
Transportation equipment	136.2	132.7	142.6	3.5	-6.4
Motor vehicles and equipment	91.0	87.5	96.4	3.5	-5.3
Aircraft and parts	36.6	36.6	37.6	.0	-1.0
Instruments and related products	24.8	24.9	24.5	-.1	.4
Measuring and controlling devices	13.2	13.4	13.4	-.2	-.2
Nondurable Goods[f]	363.9	364.4	362.3	-.5	1.6
Food and kindred products	63.8	64.6	63.4	-.8	.4
Meat products	8.8	8.9	8.7	-.1	.1
Dairy products	9.5	9.5	9.6	.0	-.1
Preserved fruits and vegetables	12.4	13.0	12.0	-.6	.4
Bakery products	9.5	9.6	9.4	-.1	.1
Beverages	8.9	8.9	9.1	.0	-.2
Apparel and other textile products	16.1	16.0	15.9	.1	.1
Paper and allied products	37.3	37.1	37.3	.3	.0
Misc. converted paper products	11.9	11.9	12.2	.0	-.3
Paperboard containers and boxes	13.5	13.5	13.1	.1	.4
Printing and publishing	72.9	72.8	72.0	.2	.9
Newspapers	19.0	19.0	19.0	.0	.1
Commercial printing	28.6	28.6	28.3	.0	.3
Chemicals and allied products	65.8	65.9	64.1	-.1	1.6
Industrial inorganic chemicals	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	90.7	90.6	91.8	.0	-1.1
Tires and inner tubes	14.3	14.4	14.8	-.1	-.5
Miscellaneous plastics products	56.0	56.0	56.6	.0	-.6

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3781.0	3770.9	3719.0	10.0	62.0
Mining	20.1	20.2	19.7	-.1	.4
Bituminous coal and lignite mining	8.0	8.1	7.9	-.1	.2
Oil and gas extraction	6.8	6.7	6.8	.1	.0
Construction	210.8	218.0	197.4	-7.3	13.4
General building contractors	52.8	53.5	50.1	-.7	2.6
Heavy construction contractors	26.4	29.4	25.4	-3.0	1.0
Highway and street construction	10.2	11.4	9.8	-1.2	.3
Special trade contractors	131.6	135.1	121.9	-3.5	9.7
Transportation and Public Utilities	217.6	217.9	214.7	-.2	2.9
Railroad transportation	12.5	12.9	12.9	-.4	-.5
Transportation, except railroads	118.0	117.7	113.7	.4	4.3
Trucking and warehousing	80.3	79.7	77.7	.6	2.5
Communication, electric, gas services	87.1	87.3	88.1	-.2	-1.0
Communication	45.4	45.5	46.4	-.1	-1.0
Electric, gas, and sanitary services	41.7	41.8	41.7	-.1	.0
Wholesale Trade	266.1	265.6	258.5	.5	7.6
Wholesale trade-durable goods	167.9	167.7	163.6	.2	4.3
Motor vehicles & automotive equipment	23.2	23.2	22.6	-.1	.6
Electrical goods	18.8	18.7	18.5	.1	.4
Machinery, equipment, and supplies	71.5	71.4	69.9	.1	1.6
Wholesale trade-nondurable goods	98.2	97.9	94.8	.2	3.3
Groceries and related products	31.5	31.3	30.5	.2	1.0
Retail Trade	937.4	923.9	906.0	13.5	31.3
General merchandise stores	132.8	125.8	130.3	7.1	2.5
Department stores	113.1	106.9	111.8	6.2	1.3
Food stores	149.3	147.3	144.3	1.9	5.0
Automotive dealers & service stations	100.2	100.8	96.5	-.6	3.7
Apparel and accessory stores	49.8	48.2	47.5	1.6	2.3
Eating and drinking places	307.4	308.9	302.4	-1.5	5.0
Finance, Insurance, and Real Estate	257.2	257.3	252.1	-.1	5.1
Banking	65.0	65.0	64.0	.0	1.0
Credit agencies other than banks	38.5	38.6	38.0	-.1	.5
Insurance carriers	71.3	71.0	70.5	.2	.8
Life insurance	26.3	26.3	26.0	.0	.3
Fire, marine, and casualty insurance	31.8	31.7	31.2	.1	.6
Services	1153.6	1155.2	1102.1	-1.6	51.4
Hotels and other lodging places	37.3	37.7	36.2	-.4	1.1
Personal services	60.1	59.8	57.3	.3	2.8
Laundry, cleaning, & garment services	19.9	19.8	19.3	.1	.6
Business services	247.5	247.6	229.7	-.1	17.7
Services to buildings	34.0	33.9	32.2	.1	1.8
Computer and data processing services	24.6	24.4	22.3	.2	2.3
Amusement and recreation services	35.7	38.5	34.1	-2.8	1.6
Health services	386.9	386.1	374.5	.8	12.4
Nursing and personal care facilities	85.1	84.9	82.6	.3	2.5
Hospitals	187.5	187.3	183.1	.2	4.4
Educational services	69.9	68.4	68.2	1.5	1.7
Colleges and universities	39.7	38.6	38.9	1.2	.8
Government	718.2	712.8	768.5	5.4	-50.3
Federal government	95.0	95.6	94.7	-.6	.3
State government	166.8	165.2	164.3	1.6	2.5
State government education[f]	92.4	90.7	91.1	1.7	1.3
State government, except education	74.4	74.5	73.2	-.1	1.2
Local government	456.4	452.0	509.5	4.5	-53.1
Local government education	269.9	265.3	265.3	4.6	4.6
Local government, except education	186.5	186.6	244.2	-.1	-57.7

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$528.20	$523.18	$531.83	42.7	42.5	43.7	$12.37	$12.31	$12.17
Durable Goods[e]	549.09	541.85	557.80	43.1	42.8	44.2	12.74	12.66	12.62
Lumber and wood products	332.48	333.26	338.30	40.3	40.2	42.5	8.25	8.29	7.96
Furniture and fixtures	387.69	390.52	381.14	41.2	41.5	41.7	9.41	9.41	9.14
Stone, clay, and glass products	480.74	481.60	473.90	43.0	43.0	43.2	11.18	11.20	10.97
Glass and glassware, pressed or blown	511.12	511.70	492.26	42.7	42.5	42.4	11.97	12.04	11.61
Primary metal industries	613.68	609.55	639.77	43.4	43.2	45.6	14.14	14.11	14.03
Blast furnace and basic steel products	612.47	612.18	637.06	42.8	42.9	44.8	14.31	14.27	14.22
Iron and steel foundries	628.72	633.91	696.26	43.3	43.3	47.3	14.52	14.64	14.72
Nonferrous rolling and drawing	692.19	675.75	671.64	43.1	42.5	44.1	16.06	15.90	15.23
Fabricated metal products	516.01	509.04	531.29	42.4	42.0	43.8	12.17	12.12	12.13
Cutlery, hand tools, and hardware	514.96	507.91	517.08	41.0	40.6	41.7	12.56	12.51	12.40
Fabricated structural metal products	466.47	464.70	460.82	42.6	42.4	42.2	10.95	10.96	10.92
Metal forgings and stampings	640.47	623.93	661.83	43.1	42.3	45.3	14.86	14.75	14.61
Machinery, except electrical	540.82	535.78	545.13	43.3	43.0	44.5	12.49	12.46	12.25
Construction and related machinery	465.37	448.74	452.34	41.7	40.5	42.0	11.16	11.08	10.77
Metalworking machinery	529.55	517.85	525.22	44.5	43.7	45.2	11.90	11.85	11.62
Special industry machinery	534.28	537.28	524.87	45.9	46.0	45.8	11.64	11.68	11.46
General industrial machinery	570.41	582.82	561.11	42.6	43.3	43.7	13.39	13.46	12.84
Office and computing machines	471.24	471.80	448.26	42.0	42.2	41.2	11.22	11.18	10.88
Refrigeration and service machinery	566.54	552.98	628.70	40.7	40.1	44.4	13.92	13.79	14.16
Electric and electronic equipment	469.00	466.21	477.99	41.8	41.7	42.3	11.22	11.18	11.30
Electrical industrial apparatus	499.52	488.63	487.52	44.8	44.1	44.0	11.15	11.08	11.08
Household appliances	466.05	484.00	503.40	39.0	40.3	41.5	11.95	12.01	12.13
Electric lighting and wiring equipment	472.18	467.43	489.20	40.6	40.4	42.1	11.63	11.57	11.62
Communication equipment	580.40	558.21	459.80	46.1	44.8	39.4	12.59	12.46	11.67
Transportation equipment	728.46	714.15	717.02	45.7	45.0	46.2	15.94	15.87	15.52
Motor vehicles and equipment	749.55	741.65	754.15	45.9	45.5	46.9	16.33	16.30	16.08
Aircraft and parts	710.31	675.60	627.59	46.7	45.1	44.7	15.21	14.98	14.04
Instruments and related products	388.01	380.84	377.29	40.8	40.3	40.7	9.51	9.45	9.27
Measuring and controlling devices	375.39	371.53	369.47	38.7	38.5	39.6	9.70	9.65	9.33
Nondurable Goods[f]	483.84	481.43	472.43	42.0	41.9	42.6	11.52	11.49	11.09
Food and kindred products	467.58	455.52	452.83	42.2	41.6	42.4	11.08	10.95	10.68
Meat products	376.80	371.29	363.08	42.1	41.3	41.4	8.95	8.99	8.77
Dairy products	482.98	458.39	477.40	43.2	41.9	44.0	11.18	10.94	10.85
Preserved fruits and vegetables	481.07	481.62	478.70	41.4	42.1	42.4	11.62	11.44	11.29
Bakery products	496.07	478.71	483.55	40.2	39.4	40.6	12.34	12.15	11.91
Beverages	446.13	426.92	420.80	41.5	40.2	40.5	10.75	10.62	10.39
Apparel and other textile products	308.10	291.02	314.57	39.5	38.7	41.5	7.80	7.52	7.58
Paper and allied products	501.84	501.24	499.26	43.6	43.7	44.3	11.51	11.47	11.27
Misc. converted paper products	464.02	456.13	434.93	43.9	43.4	43.8	10.57	10.51	9.93
Paperboard containers and boxes	432.13	438.10	443.27	42.2	42.7	43.5	10.24	10.26	10.19
Printing and publishing	475.10	469.57	449.80	40.4	40.1	39.7	11.76	11.71	11.33
Newspapers	404.00	390.68	388.26	35.1	34.3	35.2	11.51	11.39	11.03
Commercial printing	474.01	478.41	450.58	41.8	42.3	41.3	11.34	11.31	10.91
Chemicals and allied products	590.01	592.68	567.14	42.6	42.7	42.9	13.85	13.88	13.22
Industrial inorganic chemicals	632.42	619.44	611.07	45.4	44.5	44.8	13.93	13.92	13.64
Rubber and misc. plastics products	439.94	442.68	459.46	41.7	42.0	43.8	10.55	10.54	10.49
Tires and inner tubes	694.40	683.11	666.47	44.8	44.1	45.4	15.50	15.49	14.68
Miscellaneous plastics products	416.97	418.78	442.98	41.0	41.3	43.6	10.17	10.14	10.16

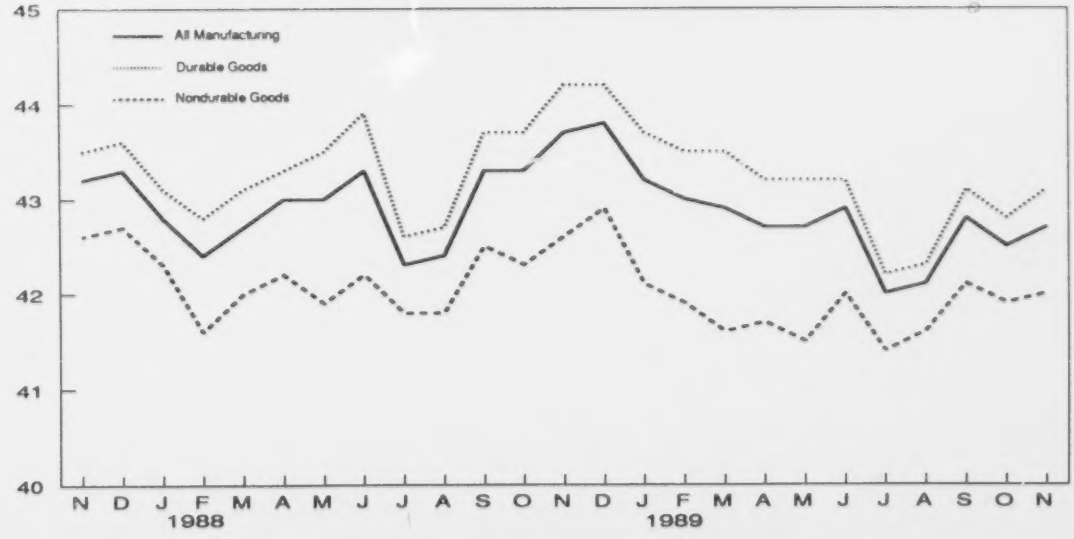
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

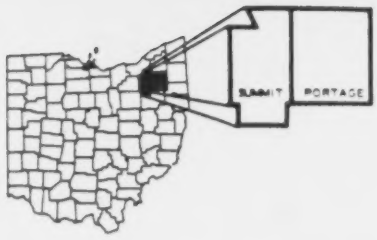
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Mining	$607.45	$614.27	$552.11	44.6	45.3	43.1	$13.62	$13.56	$12.81
Bituminous coal and lignite mining	741.58	756.57	656.26	44.3	44.9	41.3	16.74	16.85	15.89
Construction	601.40	629.08	604.09	38.8	40.3	39.9	15.50	15.61	15.14
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	601.29	603.17	577.10	41.1	41.2	40.9	14.63	14.64	14.11
Communication	569.44	571.05	556.54	40.3	40.3	40.3	14.13	14.17	13.81
Electric, gas, and sanitary services	638.66	640.85	602.98	42.1	42.3	41.7	15.17	15.15	14.46
Wholesale Trade	408.33	407.03	397.26	39.3	39.1	39.1	10.39	10.41	10.16
Wholesale trade-durable goods	397.26	399.60	389.83	39.1	39.1	39.1	10.16	10.22	9.97
Wholesale trade-nondurable goods	427.97	419.93	410.42	39.7	39.1	39.2	10.78	10.74	10.47
Retail Trade[h]	175.69	174.28	168.15	28.2	28.2	28.5	6.23	6.18	5.90
General merchandise stores	183.97	184.97	179.27	28.7	28.5	28.5	6.41	6.49	6.29
Department stores	187.78	189.79	183.61	28.8	28.8	28.6	6.52	6.59	6.42
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	271.45	271.36	265.30	....	....	....	.....	.....	.....
Credit agencies other than banks	282.89	283.47	272.27	....	....	....	.....	.....	.....
Insurance carriers	397.41	395.32	377.53	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	361.40	357.56	341.88	32.5	32.3	33.0	11.12	11.07	10.36

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

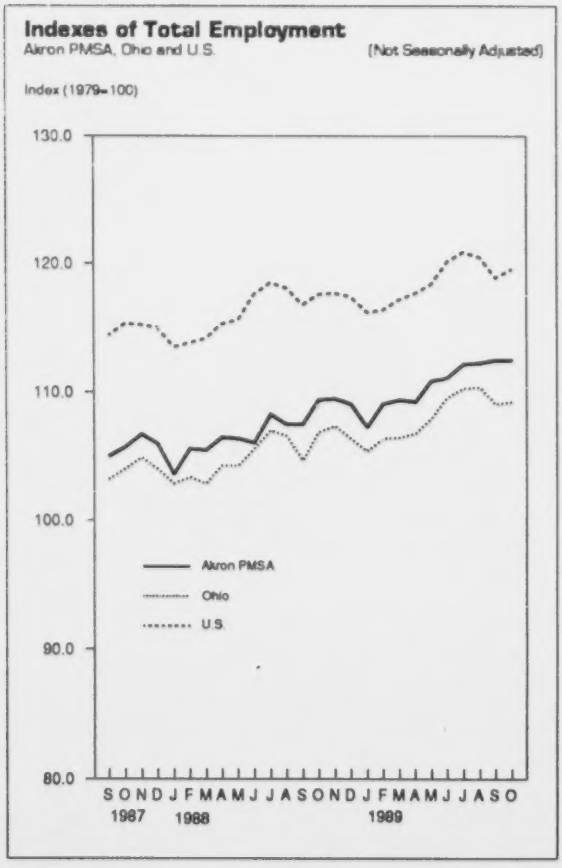


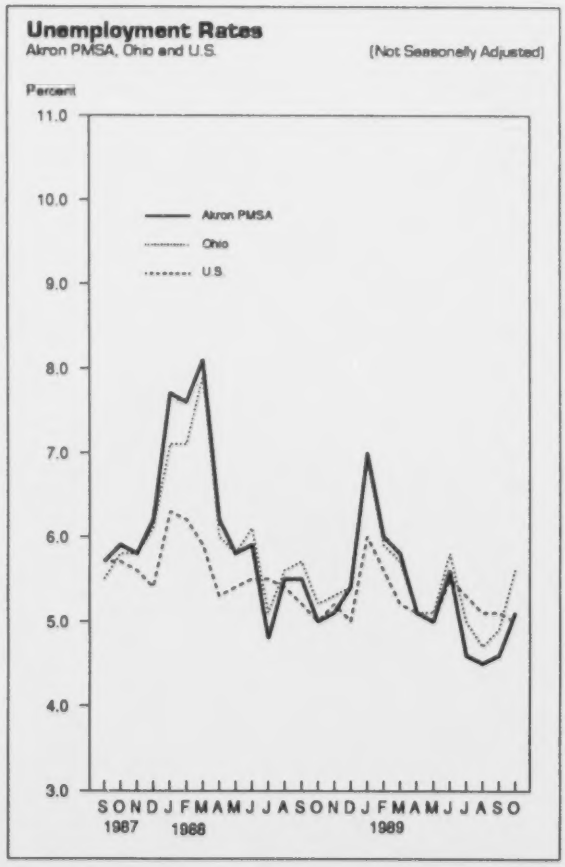
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Akron metropolitan area totaled 288,100 in November 1989, up 800 from October. Seasonal hirings in retail trade more than offset a decline in construction. Manufacturing employment increased 100 during the month to 66,000. Marginal growth occurred in fabricated metal products and nonelectrical machinery. Factory production workers averaged $11.73 per hour, $.15 higher than October. Their average workweek was .6 hours longer at 42.7 hours.

Total nonfarm wage and salary employment advanced 6,400 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector with significant growth in services, especially business services, and in retail trade. A reduction in durable-goods employment, particularly nonelectrical machinery, and in rubber and miscellaneous plastics products lowered the manufacturing workforce 1,000 over the year.





Akron PMSA Labor Force and Employment Data

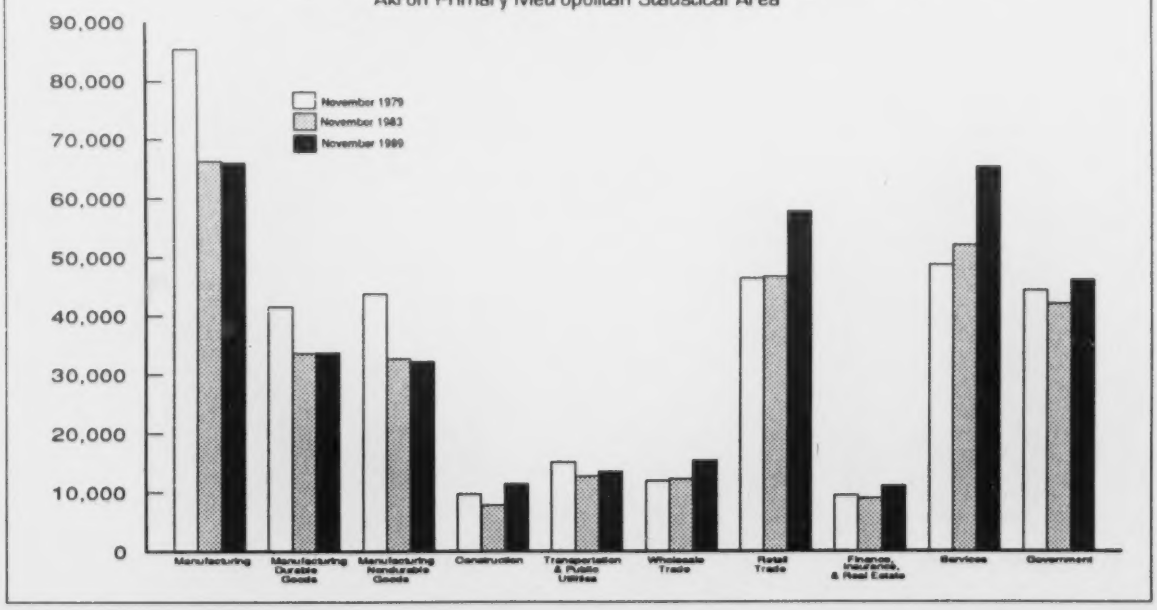
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	66.0	38.8	488.62	42.6	11.47
335.7	317.0	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	July	278.6	66.3	38.8	471.92	41.8	11.29
335.6	320.6	15.0	4.5	August	278.9	66.0	38.6	480.95	42.3	11.37
336.5	321.1	15.4	4.6	September	286.8	66.0	38.8	503.10	43.0	11.70
338.5	321.1	17.3	5.1	October	287.3	65.9	38.7	487.52	42.1	11.58
INA	INA	INA	INA	November	288.1	66.0	38.8	500.87	42.7	11.73

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	288.1	287.3	281.7	.8	6.4
Manufacturing	66.0	65.9	67.0	.1	-1.0
Durable Goods[e]	33.8	33.6	34.7	.2	-.9
Fabricated metal products	11.1	11.0	11.1	.1	.0
Machinery, except electrical	9.7	9.6	9.8	.1	-.2
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.2	32.3	32.3	-.1	-.1
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.5	3.4	3.5	.0	-.1
Rubber and misc. plastics products	19.3	19.3	19.5	.0	-.2
Tires and inner tubes	9.9	10.0	10.4	-.1	-.5
Nonmanufacturing[g]	222.2	221.4	214.7	.7	7.4
Construction	11.3	11.8	10.6	-.5	.8
Transportation and Public Utilities	13.6	13.5	13.2	.1	.4
Communication, electric, gas services	4.7	4.7	4.9	.0	-.2
Wholesale Trade	15.4	15.3	14.9	.1	.6
Retail Trade	58.0	57.0	55.4	.9	2.6
General merchandise stores	7.4	6.9	7.4	.6	.1
Finance, Insurance, and Real Estate	11.0	11.0	10.7	.0	.4
Banking	3.2	3.2	3.0	.0	.2
Services	65.6	65.8	61.7	-.2	4.0
Business services	15.0	15.2	13.4	-.2	1.6
Amusement and recreation services	3.2	3.3	2.7	-.2	.5
Health services	20.9	20.8	20.3	.1	.6
Government	46.4	46.1	47.7	.3	-1.3
State government	17.5	17.4	17.1	.1	.4
State government education[h]	14.7	14.6	14.2	.1	.5
State government, except education	2.8	2.8	2.9	.0	-.1
Local government	26.4	26.2	28.2	.2	-1.7
Local government education	15.0	14.9	14.9	.2	.1
Local government, except education	11.4	11.3	13.2	.0	-1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$500.87	$487.52	$496.78	42.7	42.1	42.9	$11.73	$11.58	$11.58
Durable Goods[e]	524.02	504.64	509.65	43.2	42.3	42.9	12.13	11.93	11.88
Fabricated metal products	663.88	632.61	629.26	44.2	42.6	43.1	15.02	14.85	14.60
Machinery, except electrical	476.60	467.64	463.65	44.5	44.2	45.5	10.71	10.58	10.19
Metalworking machinery	510.76	510.31	493.88	45.2	45.2	45.9	11.30	11.29	10.76
Nondurable Goods[f]	470.68	465.09	479.45	42.1	41.9	43.0	11.18	11.10	11.15
Food and kindred products	420.23	395.32	447.52	43.1	41.7	42.1	9.75	9.48	10.63
Chemicals and allied products	536.79	535.99	522.52	43.5	43.4	42.9	12.34	12.35	12.18
Rubber and misc. plastics products	477.85	476.15	493.00	42.4	42.4	43.9	11.27	11.23	11.23
Tires and inner tubes	784.70	773.38	764.01	47.5	47.1	47.9	16.52	16.42	15.95
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	603.99	611.30	588.47	41.2	41.5	41.5	14.66	14.73	14.18
Wholesale Trade	357.19	354.16	350.49	36.9	36.7	36.7	9.68	9.65	9.55
Retail Trade[h]	206.72	207.34	200.61	30.9	30.9	32.2	6.69	6.71	6.23

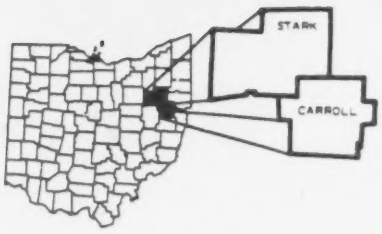
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,838	1,994	1,997
Active File of Job Seekers	9,639	9,297	15,441
Referrals to Jobs	735	818	928
Placements	166	198	180
Job Openings Received	307	397	443
Job Openings Unfilled	979	1,225	960
Unemployment Insurance Program			
Initial Claims	3,059	2,464	3,414
Continued Claims	18,647	16,102	19,877
First Payments	1,176	994	1,359
Last Payments	290	258	273
Weeks Compensated	15,304	12,096	13,815
Benefits Paid	$2,414,304	$1,841,811	$2,028,225
Average Weekly Payment	$165.78	$160.41	$152.18

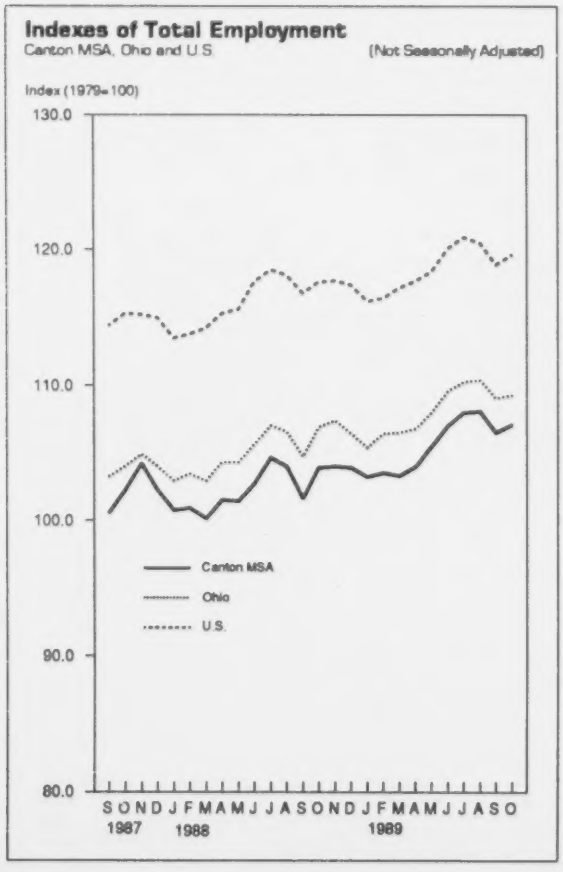
CANTON
METROPOLITAN STATISTICAL AREA

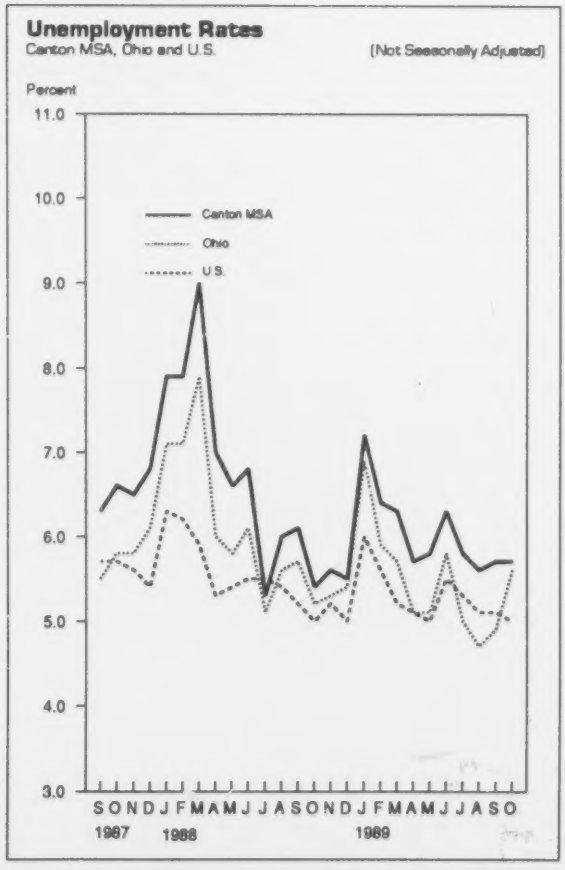


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonfarm payroll employment in the Canton metropolitan area totaled 167,700 in November 1989, increasing 4,700 from October. The settlement of a labor-management dispute in durable-goods industries raised manufacturing employment 4,600 to 45,400. The nonmanufacturing workforce added 100 jobs as more business in retail trade outweighed a seasonal decline in construction. Factory production workers averaged $11.79 per hour, up $.33 from October. Their average workweek of 41.7 hours was .1 hours longer.

Nonagricultural wage and salary employment advanced 4,000 between November 1988 and November 1989. Noteworthy growth occurred in services (+2,200) and retail trade (+1,700). The manufacturing employment level was unchanged from a year ago. Scattered increases among producers of durable and nondurable goods offset reductions in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products.





Canton MSA Labor Force and Employment Data

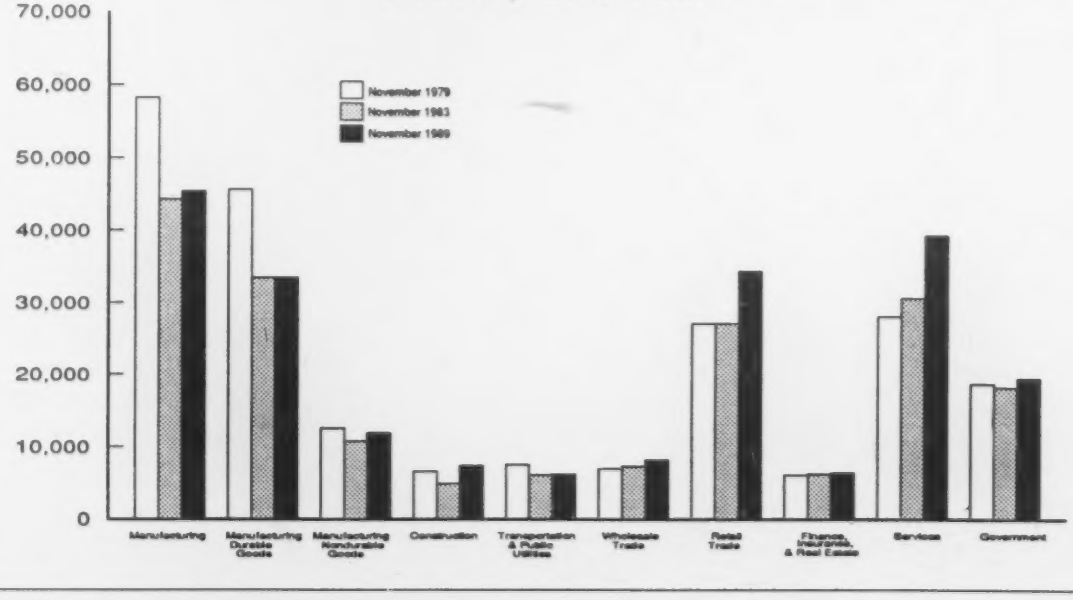
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	July	165.2	45.4	32.5	482.10	41.1	11.73
198.7	187.7	11.0	5.6	August	165.1	45.5	32.7	496.44	42.0	11.82
196.1	185.0	11.1	5.7	September	166.5	45.6	32.7	495.26	41.9	11.82
197.2	186.0	11.2	5.7	October	163.0	40.8	27.7	476.74	41.6	11.46
INA	INA	INA	INA	November	167.7	45.4	32.3	491.64	41.7	11.79

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	167.7	163.0	163.6	4.7	4.0
Manufacturing	45.4	40.8	45.4	4.6	.0
Durable Goods[e]	33.5	28.9[j]	33.5	4.5	.0
Primary metal industries	11.2	9.1[j]	11.3	2.2	-.1
Fabricated metal products	6.4	6.5	6.6	-.1	-.3
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.9	11.9	11.9	.1	.0
Food and kindred products	3.4	3.5	3.3	.0	.2
Rubber and misc. plastics products	3.0	3.0	3.1	.0	-.1
Nonmanufacturing[g]	122.3	122.2	118.2	.1	4.1
Construction	7.3	7.6	6.6	-.3	.7
Transportation and Public Utilities	6.2	6.2	6.0	.0	.2
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.1	8.2	8.1	.0	.0
Wholesale trade-durable goods	4.4	4.4	4.5	.0	-.1
Retail Trade	34.4	34.0	32.7	.4	1.7
General merchandise stores	4.5	4.2	4.4	.3	.1
Food stores	5.8	5.8	5.6	.0	.2
Finance, Insurance, and Real Estate	6.4	6.4	6.3	.0	.1
Banking	1.9	1.8	1.8	.0	.1
Services	39.3	39.5	37.2	-.1	2.2
Health services	15.6	15.6	15.4	.0	.2
Government	19.5	19.3	20.4	.1	-1.0
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.5	16.4	17.3	.1	-.7
Local government education	10.2	10.0	9.9	.2	.2
Local government, except education	6.4	6.4	7.4	-.1	-1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$491.64	$476.74	$490.78	41.7	41.6	42.9	$11.79	$11.46	$11.44
Durable Goods[e]	522.33	508.22	523.41	42.5	42.6	43.8	12.29	11.93	11.95
Primary metal industries	579.31	558.54	580.37	43.2	42.8	45.2	13.41	13.05	12.84
Fabricated metal products	493.20	543.29	486.92	41.1	44.9	42.6	12.00	12.10	11.43
Metal forgings and stampings	549.99	567.31	564.98	40.5	41.5	41.3	13.58	13.67	13.68
Nondurable Goods[f]	400.30	398.04	393.16	39.4	39.1	40.2	10.16	10.18	9.78
Food and kindred products	412.03	412.18	394.75	38.4	38.2	38.4	10.73	10.79	10.28
Rubber and misc. plastics products	400.61	389.76	398.96	41.6	40.6	41.3	9.63	9.60	9.66
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	586.44	592.59	568.17	40.5	40.7	40.7	14.48	14.56	13.96
Wholesale Trade	376.15	376.43	386.43	38.5	38.1	37.3	9.77	9.88	10.36
Retail Trade[h]	169.52	168.10	161.53	28.3	28.3	29.0	5.99	5.94	5.57

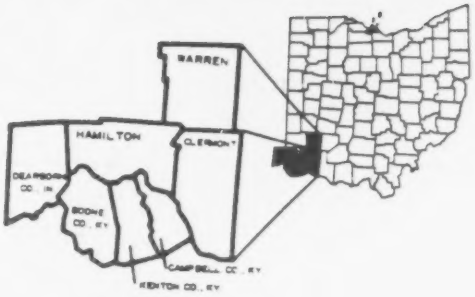
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

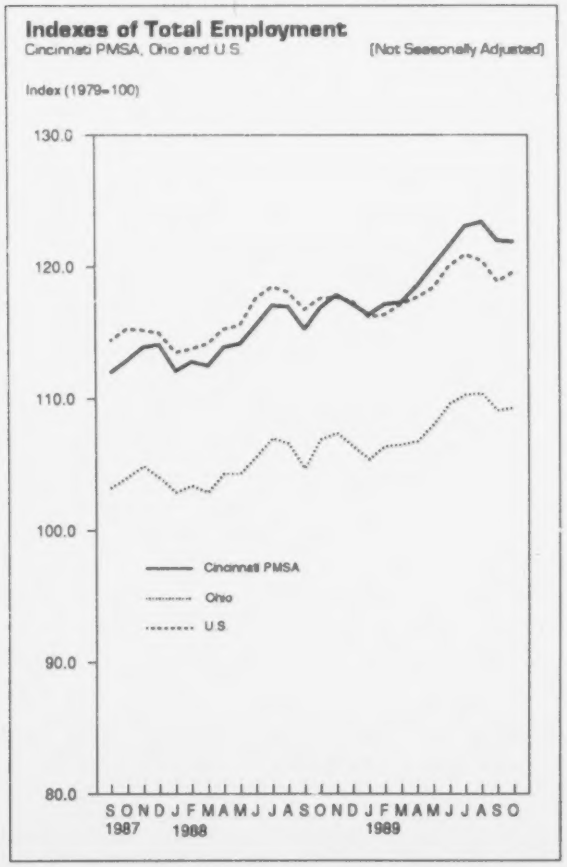
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	962	1,202	1,604
Active File of Job Seekers	7,457	7,433	12,182
Referrals to Jobs	440	738	823
Placements	146	60	271
Job Openings Received	138	316	581
Job Openings Unfilled	256	484	1,955
Unemployment Insurance Program			
Initial Claims	4,069	2,638	1,780
Continued Claims	14,163	11,990	10,741
First Payments	978	602	756
Last Payments	197	170	154
Weeks Compensated	11,235	8,178	7,739
Benefits Paid	$1,799,668	$1,243,369	$1,074,472
Average Weekly Payment	$174.65	$165.39	$143.34

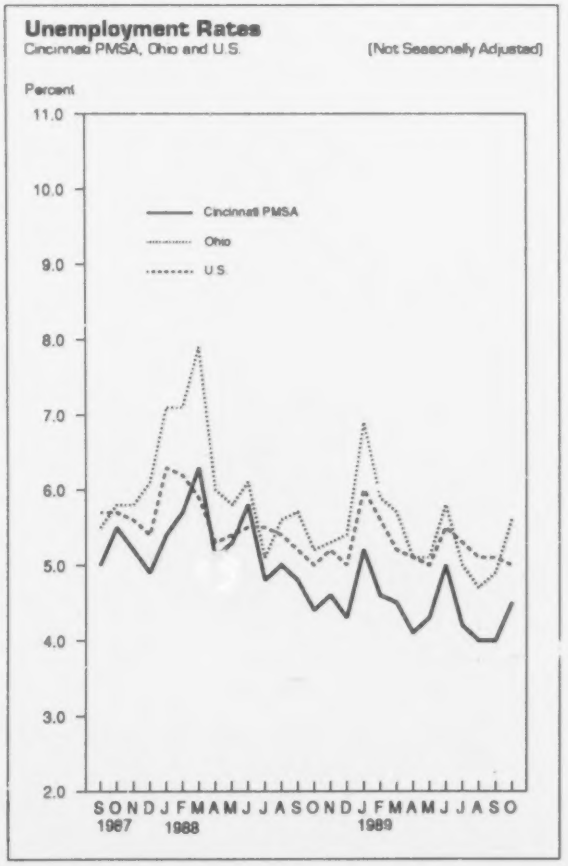
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



In the Cincinnati metropolitan area, total nonfarm payroll employment rose 4,100 above the October level to 749,700 in November 1989. More business in retail trade and services overshadowed seasonal layoffs in construction. Manufacturing employment totaled 149,900, increasing 400 over the month. Recalls in transportation equipment and marginal improvements in fabricated metal products and printing and publishing outweighed a decline in apparel and other textile products. Factory production workers averaged $11.67 per hour, up $.06 from October. Their average workweek was .2 hours longer at 43.5 hours.

Nonagricultural wage and salary employment advanced 29,200 between November 1988 and November 1989. A major portion of the growth occurred in services (+13,500) and retail trade (+7,400). Significant expansion was also noted in construction, transportation and public utilities, wholesale trade, and finance, insurance, and real estate. The manufacturing workforce added 3,600 jobs during the period with moderate gains in chemicals and allied products, nonelectrical machinery, electric and electronic equipment, and food and kindred products.





Cincinnati PMSA Labor Force and Employment Data

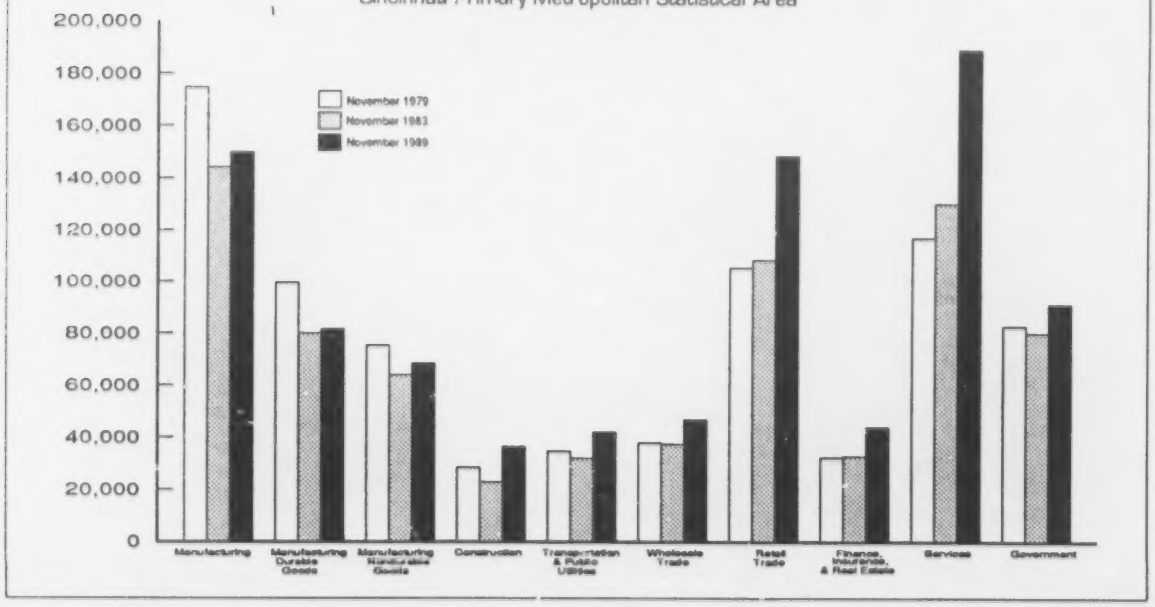
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	July	733.8	147.5	92.7	481.08	42.2	11.40
806.8	774.8	32.0	4.0	August	736.7	148.5	93.5	500.69	43.2	11.59
798.3	766.2	32.0	4.0	September	744.5	149.6	94.5	501.85	43.3	11.59
801.6	765.5	36.1	4.5	October	745.6	149.5	94.7	502.71	43.3	11.61
INA	INA	INA	INA	November	749.7	149.9	94.8	507.65	43.5	11.67

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cincinnati Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	749.7	745.6	720.5	4.1	29.2
Manufacturing	149.9	149.5	146.3	.4	3.6
Durable Goods[e]	81.6	81.1	79.4	.5	2.2
Fabricated metal products	10.9	10.8	10.9	.2	.1
Fabricated structural metal products	3.8	3.8	3.9	.0	-.1
Machinery, except electrical	21.7	21.6	21.1	.1	.6
Metalworking machinery	8.7	8.7	8.8	.1	.0
General industrial machinery	3.1	3.0	3.1	.0	.0
Electric and electronic equipment	9.3	9.3	8.7	.0	.6
Transportation equipment	24.3	24.0	24.1	.3	.2
Motor vehicles and equipment	5.0	4.7	5.1	.2	-.2
Nondurable Goods[f]	68.4	68.4	67.0	-.1	1.4
Food and kindred products	13.5	13.5	13.1	.0	.4
Beverages	3.5	3.4	3.6	.1	-.2
Apparel and other textile products	3.7	3.8	3.6	-.2	.1
Paper and allied products	6.4	6.3	6.1	.1	.2
Printing and publishing	13.8	13.7	13.6	.2	.2
Commercial printing	6.4	6.4	6.2	.0	.2
Chemicals and allied products	22.8	22.8	22.1	.0	.7
Rubber and misc. plastics products	6.2	6.3	6.2	-.1	.0
Nonmanufacturing[g]	599.8	596.2	574.2	3.6	25.6
Construction	36.6	37.5	33.8	-.9	2.8
Transportation and Public Utilities	42.0	42.0	39.4	.0	2.6
Trucking and warehousing	12.2	12.1	11.3	.1	.9
Communication, electric, gas services	16.1	16.1	15.4	.0	.8
Wholesale Trade	46.9	46.7	45.2	.2	1.7
Wholesale trade-durable goods	27.4	27.2	26.7	.1	.7
Retail Trade	148.8	146.5	141.3	2.2	7.4
General merchandise stores	22.3	21.0	21.8	1.3	.5
Finance, Insurance, and Real Estate	44.0	44.1	42.9	-.1	1.1
Banking	9.5	9.5	9.2	.0	.3
Insurance carriers	14.5	14.5	14.5	.0	.0
Services	189.5	188.2	176.0	1.4	13.5
Hotels and other lodging places	7.8	7.8	7.3	.0	.5
Personal services	9.8	9.7	9.0	.1	.8
Business services	48.6	48.6	44.6	.0	4.0
Amusement and recreation services	10.0	8.9	6.0	1.1	4.0
Health services	55.9	55.9	54.4	.0	1.5
Hospitals	26.6	26.6	26.0	.1	.6
Government	91.5	90.7	95.1	.8	-3.6
Federal government	15.2	15.2	15.3	.0	-.1
State government	21.5	21.2	20.8	.3	.8
State government education[i]	13.3	13.1	12.9	.2	.4
State government, except education	8.2	8.2	7.8	.0	.4
Local government	54.8	54.3	59.0	.5	-4.3
Local government education	31.2	30.7	31.0	.5	.2
Local government, except education	23.6	23.6	28.1	.0	-4.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$507.65	$502.71	$487.46	43.5	43.3	43.1	$11.67	$11.61	$11.31
Durable Goods[e]	509.80	495.73	493.81	44.1	43.6	43.7	11.56	11.37	11.30
Fabricated metal products	429.54	425.27	449.12	43.3	43.0	44.6	9.92	9.89	10.07
Fabricated structural metal products	483.51	486.07	494.93	45.4	45.3	45.7	10.65	10.73	10.83
Machinery, except electrical	443.28	441.41	444.87	42.5	42.2	42.9	10.43	10.46	10.37
Metalworking machinery	494.49	490.78	487.82	43.3	42.9	43.4	11.42	11.44	11.24
General industrial machinery	422.09	418.54	430.40	40.9	40.4	43.3	10.32	10.36	9.94
Electric and electronic equipment	378.07	366.95	362.71	41.5	41.0	40.8	9.11	8.95	8.89
Transportation equipment	840.79	787.04	746.70	49.4	47.1	47.2	17.02	16.71	15.82
Motor vehicles and equipment	936.96	867.60	879.43	51.2	48.2	50.6	18.30	18.00	17.38
Nondurable Goods[f]	504.93	510.74	481.81	42.9	43.1	42.6	11.77	11.85	11.31
Food and kindred products	523.48	516.98	514.92	44.4	44.3	43.6	11.79	11.67	11.81
Beverages	557.63	554.17	500.53	42.6	42.4	40.3	13.09	13.07	12.42
Apparel and other textile products	251.94	250.49	241.40	39.0	39.2	39.9	6.46	6.39	6.05
Paper and allied products	481.13	471.31	446.59	44.1	43.2	43.4	10.91	10.91	10.29
Printing and publishing	506.09	489.22	441.34	42.6	41.6	39.3	11.88	11.76	11.23
Commercial printing	529.96	529.69	464.09	44.2	44.4	41.4	11.99	11.93	11.21
Chemicals and allied products	593.53	630.73	577.58	42.7	44.2	43.2	13.90	14.27	13.37
Rubber and misc. plastics products	414.12	409.26	439.89	43.5	43.4	46.5	9.52	9.43	9.46
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.20	593.73	575.28	40.0	40.5	40.8	14.58	14.66	14.10
Wholesale Trade	424.91	423.71	419.83	40.2	40.2	41.2	10.57	10.54	10.19
Retail Trade[h]	173.38	172.74	167.90	28.8	28.6	28.8	6.02	6.04	5.83
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	270.73	268.32	262.11	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

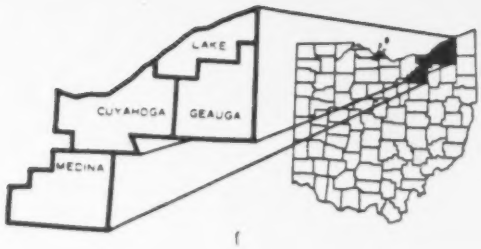
Selected Administrative Program Activities[a]

Cincinnati PMSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	2,553	3,032	2,854
Active File of Job Seekers	13,078	13,076	20,117
Referrals to Jobs	1,621	2,367	1,758
Placements	233	309	377
Job Openings Received	936	772	1,000
Job Openings Unfilled	2,092	1,849	2,794
Unemployment Insurance Program			
Initial Claims	4,156	4,236	3,860
Continued Claims	27,058	27,412	29,853
First Payments	1,608	2,153	2,022
Last Payments	487	429	540
Weeks Compensated	23,033	21,401	20,724
Benefits Paid	$3,594,330	$3,368,929	$3,071,802
Average Weekly Payment	$164.11	$161.02	$151.31

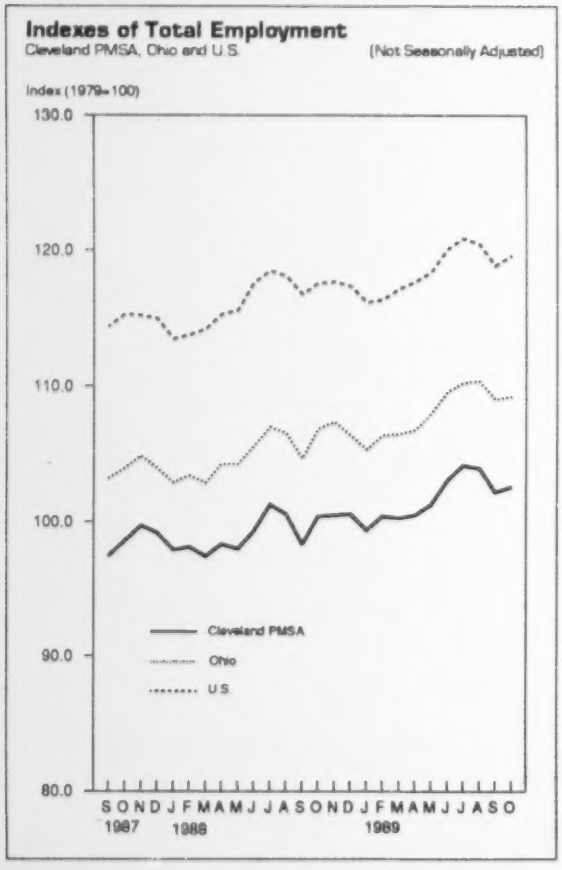
[a] Ohio data only

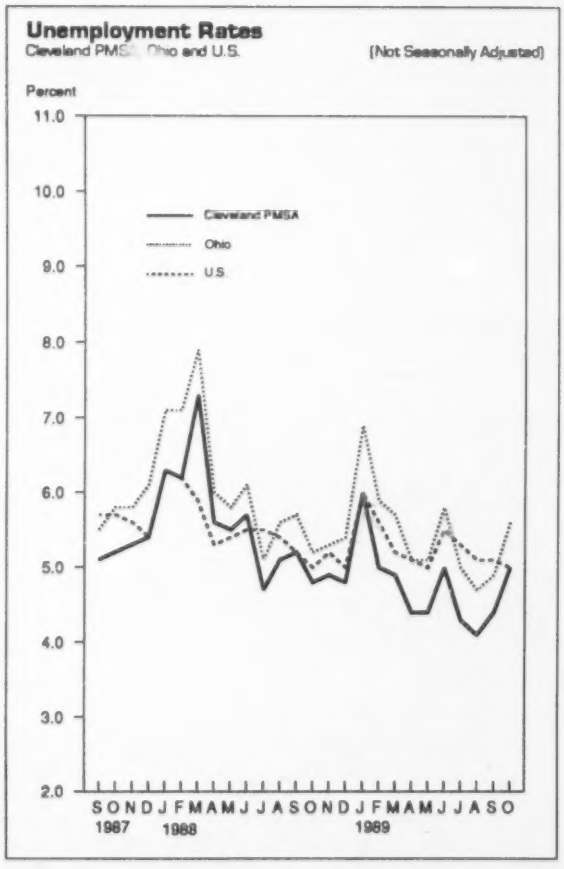
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cleveland metropolitan area increased 2,400 from the October level to 941,500 in November 1989. Seasonal hirings in retail trade, especially general merchandise stores, and the continued return of nonteaching personnel in local schools overshadowed seasonal declines in services and construction. Manufacturing employment rose 200 over the month to 204,500. Modest gains in fabricated metal products and electric and electronic equipment more than offset reductions in primary metal industries and nonelectrical machinery. Factory production workers averaged $12.03 per hour, up fractionally from October. Their average workweek of 43.1 hours was .4 hours longer.

Nonfarm wage and salary employment advanced 15,200 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+10,800) and retail trade (+4,500). Significant expansion also occurred in finance, insurance, and real estate, wholesale trade, and construction. The manufacturing employment level was unchanged from a year ago. Reductions in transportation equipment and apparel and other textile products negated gains in chemicals and allied products, nonelectrical machinery, and printing and publishing.





Cleveland PMSA Labor Force and Employment Data

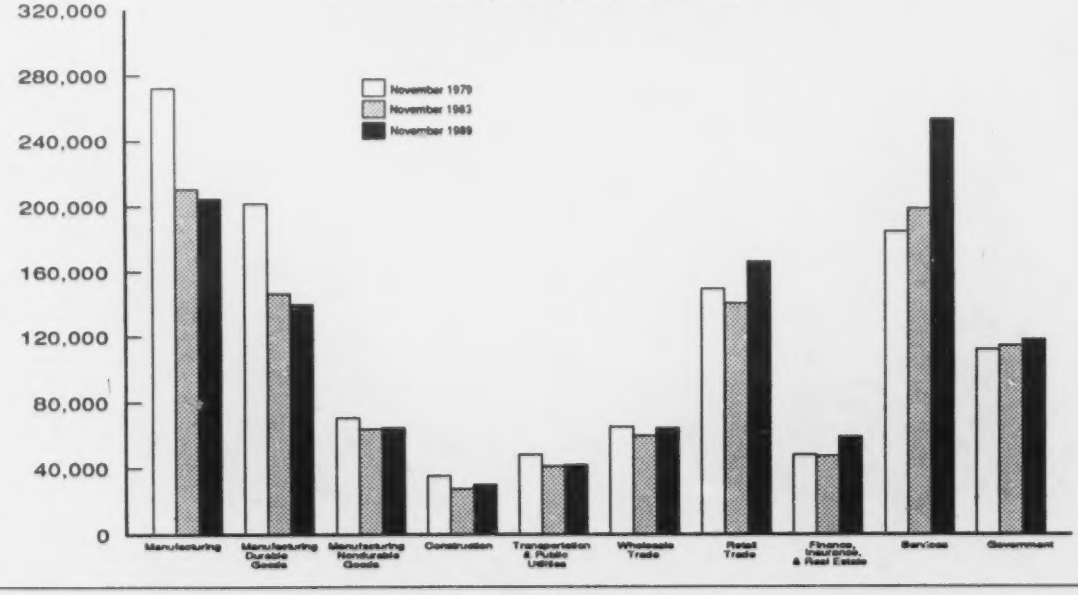
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.6	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	July	933.6	202.7	129.6	491.99	41.8	11.77
964.5	924.6	39.9	4.1	August	931.6	203.5	130.1	500.91	42.2	11.87
950.6	908.9	41.7	4.4	September	935.7	204.4	131.3	521.42	43.2	12.07
960.1	912.0	48.1	5.0	October	939.1	204.3	131.5	512.83	42.7	12.01
INA	INA	INA	INA	November	941.5	204.5	131.7	518.49	43.1	12.03

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	941.5	939.1	926.2	2.4	15.2
Manufacturing	204.5	204.3	204.5	.2	.0
Durable Goods[e]	139.8	139.7	140.4	.1	-.6
Primary metal industries	21.5	21.7	21.7	-.2	-.2
Iron and steel foundries	4.4	4.4	4.7	.0	-.3
Fabricated metal products	32.3	31.9	32.5	.4	-.2
Fabricated structural metal products	4.0	3.9	4.0	.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.8	10.5	11.1	.3	-.3
Machinery, except electrical	30.7	30.8	30.4	-.1	.3
Construction and related machinery	2.6	2.7	2.5	.0	.1
Metalworking machinery	10.5	10.5	10.1	.0	.4
Special industry machinery	2.6	2.7	2.7	-.1	-.1
General industrial machinery	3.3	3.3	3.2	.0	.1
Electric and electronic equipment	17.8	17.7	17.9	.1	-.1
Electrical industrial apparatus	6.6	6.6	6.6	.1	.0
Transportation equipment	19.2	19.2	20.1	.0	-.9
Motor vehicles and equipment	12.4	12.3	12.7	.0	-.3
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.4	.0	.2
Nondurable Goods[f]	64.7	64.6	64.1	.1	.6
Food and kindred products	6.7	6.7	6.7	.0	.0
Apparel and other textile products	3.3	3.3	3.6	.0	-.3
Paper and allied products	5.9	5.9	5.9	.0	.0
Printing and publishing	16.3	16.2	16.0	.0	.3
Chemicals and allied products	15.3	15.3	14.9	.0	.4
Rubber and misc. plastics products	11.5	11.5	11.6	.0	-.1
Nonmanufacturing[g]	737.0	734.8	721.7	2.2	15.3
Construction	30.4	31.1	29.3	-.7	1.0
Transportation and Public Utilities	42.1	42.0	42.1	.1	.0
Trucking and warehousing	12.9	12.8	12.5	.1	.4
Communication, electric, gas services	17.1	17.1	17.6	.0	-.4
Wholesale Trade	64.9	64.8	63.6	.1	1.3
Wholesale trade-durable goods	45.0	44.9	44.2	.1	.8
Retail Trade	166.6	164.3	162.1	2.4	4.5
General merchandise stores	22.6	21.3	22.3	1.3	.3
Finance, Insurance, and Real Estate	59.5	59.3	57.6	.2	1.9
Banking	14.6	14.5	14.2	.0	.4
Credit agencies other than banks	8.9	8.9	8.7	.0	.2
Insurance carriers	14.7	14.6	14.4	.1	.4
Services	253.8	254.5	243.0	-.8	10.8
Business services	59.7	59.9	55.9	-.2	3.8
Amusement and recreation services	7.1	7.8	6.8	-.7	.3
Health services	79.7	79.8	77.7	-.1	2.1
Hospitals	44.1	44.3	43.6	-.2	.5
Government	118.6	117.7	122.8	.9	-4.2
Federal government	20.5	20.6	20.8	.0	-.3
State government	7.9	8.0	8.1	-.1	-.2
State government education[h]	2.9	3.1	3.1	-.1	-.2
State government, except education	5.0	5.0	5.0	.0	.0
Local government	90.2	89.1	93.9	1.1	-3.7
Local government education	46.2	45.1	44.5	1.0	1.7
Local government, except education	44.0	44.0	49.4	.1	-5.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$518.49	$512.83	$528.12	43.1	42.7	43.9	$12.03	$12.01	$12.03
Durable Goods[e]	545.87	542.50	569.97	43.6	43.4	45.2	12.52	12.50	12.61
Primary metal industries	537.51	542.68	603.01	43.7	43.8	47.0	12.30	12.39	12.83
Iron and steel foundries	824.72	854.06	933.34	47.1	47.9	52.2	17.51	17.83	17.88
Fabricated metal products	549.31	535.30	571.87	43.7	43.1	45.1	12.57	12.42	12.68
Fabricated structural metal products	439.46	445.22	421.60	43.0	43.1	42.5	10.22	10.33	9.92
Screw machine products, bolts, etc.	529.98	515.31	566.41	43.8	42.8	46.2	12.10	12.04	12.26
Metal forgings and stampings	691.20	666.79	738.51	45.0	44.1	48.3	15.36	15.12	15.29
Machinery, except electrical	527.02	531.83	545.22	43.7	43.7	44.8	12.06	12.17	12.17
Construction and related machinery	429.53	446.81	394.40	44.1	45.5	42.5	9.74	9.82	9.28
Metalworking machinery	500.82	485.52	487.21	43.1	42.0	42.7	11.62	11.56	11.41
Special industry machinery	509.55	491.82	478.08	43.0	42.0	41.5	11.85	11.71	11.52
General industrial machinery	493.93	501.24	527.52	43.1	43.7	47.1	11.46	11.47	11.20
Electric and electronic equipment	484.18	468.42	453.60	43.0	42.2	41.5	11.26	11.10	10.93
Electrical industrial apparatus	580.32	563.62	511.43	46.5	45.6	43.6	12.48	12.36	11.73
Transportation equipment	723.97	719.43	760.50	44.8	44.3	47.8	16.16	16.24	15.91
Motor vehicles and equipment	803.99	801.90	845.70	45.5	45.0	48.8	17.67	17.82	17.33
Instruments and related products	422.18	418.14	418.47	41.8	41.4	42.1	10.10	10.10	9.94
Measuring and controlling devices	473.68	468.29	457.10	43.9	43.4	42.6	10.79	10.79	10.73
Nondurable Goods[f]	448.03	441.41	428.22	41.6	41.1	40.9	10.77	10.74	10.47
Food and kindred products	456.92	442.00	421.87	41.5	40.7	41.4	11.01	10.86	10.19
Apparel and other textile products	359.57	353.47	329.16	39.6	38.8	39.0	9.08	9.11	8.44
Paper and allied products	475.84	468.10	478.26	42.6	42.4	42.1	11.17	11.04	11.36
Printing and publishing	435.76	422.53	400.00	39.4	38.1	36.9	11.06	11.09	10.84
Chemicals and allied products	535.48	541.37	530.96	42.6	43.0	43.7	12.57	12.59	12.15
Rubber and misc. plastics products	386.53	387.43	390.76	42.9	43.0	42.8	9.01	9.01	9.13
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	620.20	625.55	612.13	41.1	41.4	41.5	15.09	15.11	14.75
Wholesale Trade	451.79	446.01	429.66	39.7	39.4	39.6	11.38	11.32	10.85
Retail Trade[h]	187.68	189.48	186.09	27.2	27.5	27.9	6.90	6.89	6.67
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	298.83	298.88	297.21	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	354.77	353.60	345.07	30.4	30.3	31.6	11.67	11.67	10.92

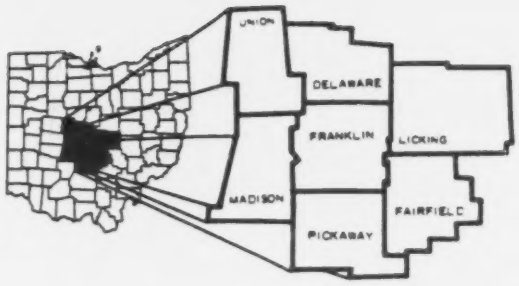
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

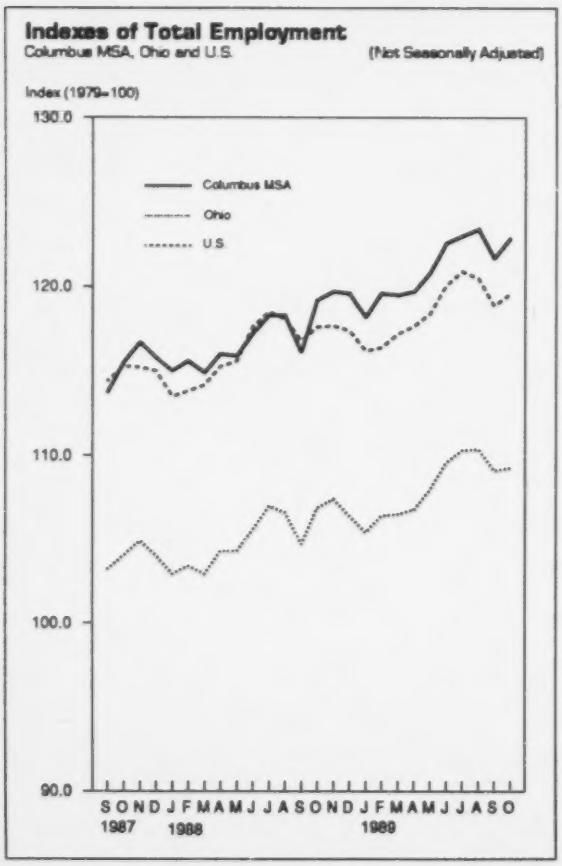
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	4,008	4,948	4,297
Active File of Job Seekers	24,069	23,971	54,051
Referrals to Jobs	2,081	2,351	1,859
Placements	315	342	359
Job Openings Received	944	1,239	942
Job Openings Unfilled	3,363	3,384	3,582
Unemployment Insurance Program			
Initial Claims	7,469	6,113	7,125
Continued Claims	46,372	42,052	46,202
First Payments	2,735	2,579	3,022
Last Payments	790	637	842
Weeks Compensated	37,250	35,016	33,530
Benefits Paid	$6,059,562	$5,827,039	$5,103,578
Average Weekly Payment	$168.80	$173.90	$155.74

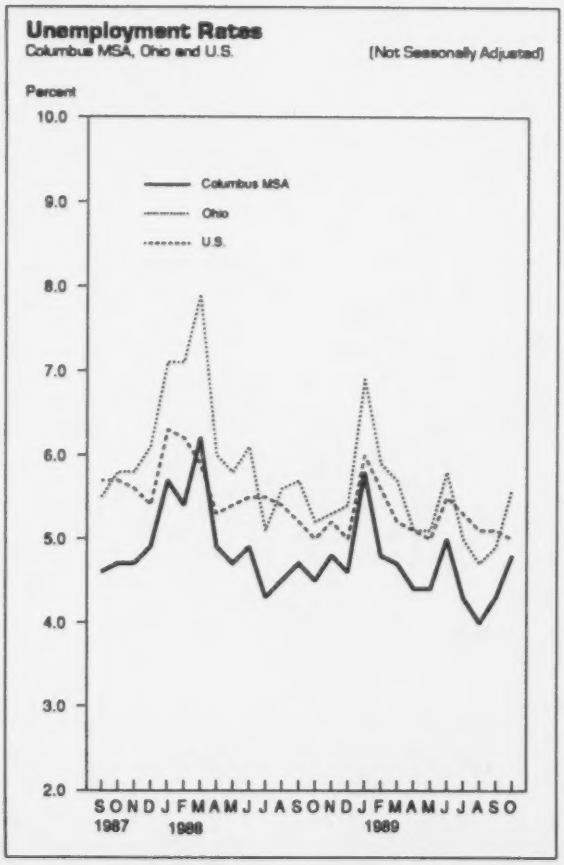
COLUMBUS
METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, nonfarm payroll employment totaled 718,200 in November 1989, increasing 3,900 above the October level. More business in retail trade and the continued return of nonteaching personnel in state and local schools and colleges overshadowed a seasonal layoff in construction. Manufacturing employment rose 400 over the month to 103,800 due to the settlement of a labor-management dispute in nonelectrical machinery and a modest gain in fabricated metal products. Factory production workers averaged $12.20 per hour, unchanged from October. Their average workweek was .5 hours longer at 42.4 hours.

Nonagricultural wage and salary employment advanced 18,200 between November 1988 and November 1989. Leading growth industries were services (+8,900) and retail trade (+7,100). Noteworthy expansion also occurred in construction, finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Manufacturing employment declined 300 during the period. Reductions in nonelectrical machinery and food and kindred products negated gains in transportation equipment and printing and publishing.





Columbus MSA Labor Force and Employment Data

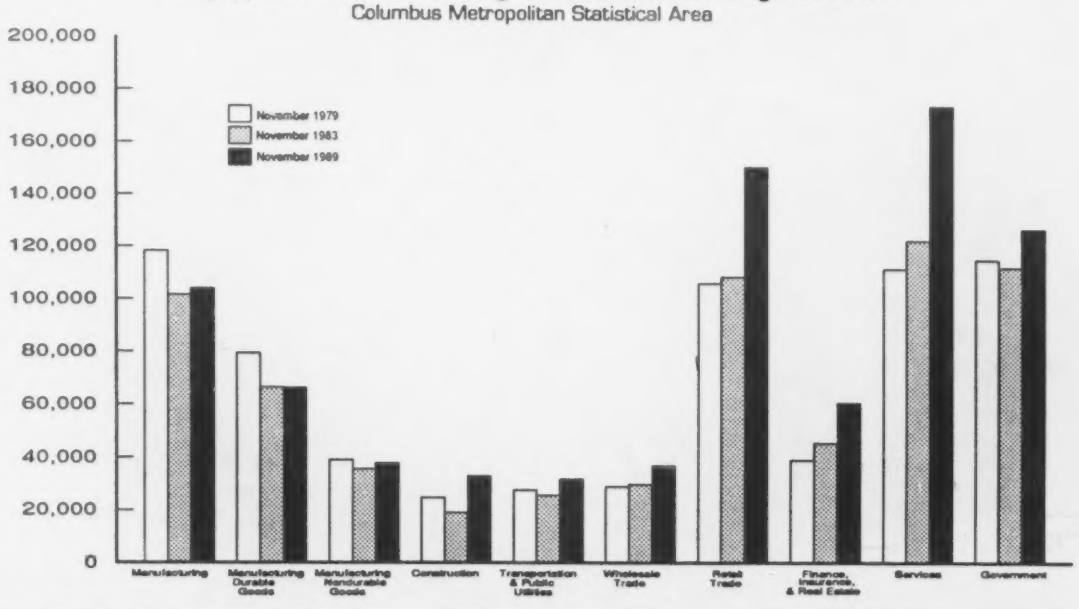
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	693.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
742.2	712.8	29.4	4.0	August	701.2	103.4	67.7	495.19	41.3	11.99
734.2	702.7	31.5	4.3	September	707.0	104.3	68.4	503.36	41.6	12.10
745.7	710.0	35.7	4.8	October	714.3	103.4	67.8	511.18	41.9	12.20
INA	INA	INA	INA	November	718.2	103.8	68.3	517.28	42.4	12.20

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	718.2	714.3	700.0	3.9	18.2
Manufacturing	103.8	103.4	104.1	.4	-.3
Durable Goods[e]	66.1	65.6	66.2	.5	-.1
Stone, clay, and glass products	10.3	10.2	10.3	.1	.0
Glass and glassware, pressed or blown	3.4	3.3	3.4	.1	.0
Fabricated metal products	9.5	9.4	9.4	.2	.1
Fabricated structural metal products	2.5	2.5	2.5	.0	.0
Machinery, except electrical	9.4	9.1	9.8	.3	-.4
Electric and electronic equipment	10.6	10.6	10.6	.0	.0
Transportation equipment	13.5	13.5	13.0	-.1	.5
Instruments and related products	4.4	4.5	4.1	-.1	.2
Nondurable Goods[f]	37.7	37.8	37.9	-.1	-.2
Food and kindred products	10.2	10.3	10.3	-.2	-.2
Printing and publishing	11.0	10.9	10.7	.0	.3
Chemicals and allied products	6.7	6.7	6.6	.0	.1
Rubber and misc. plastics products	5.6	5.6	5.7	.1	-.1
Nonmanufacturing[g]	614.4	610.9	595.9	3.5	18.4
Construction	32.9	33.8	30.3	-.9	2.7
Transportation and Public Utilities	31.7	31.5	30.4	.1	1.2
Trucking and warehousing	13.8	13.6	12.8	.2	.9
Communication, electric, gas services	11.7	11.8	12.0	.0	-.3
Wholesale Trade	36.8	36.6	35.6	.2	1.3
Wholesale trade-durable goods	23.5	23.4	22.8	.1	.7
Retail Trade	150.7	147.9	143.6	2.8	7.1
General merchandise stores	21.9	20.9	21.3	1.0	.5
Finance, Insurance, and Real Estate	60.6	60.4	58.8	.2	1.8
Banking	11.9	11.9	11.6	.0	.3
Insurance carriers	23.9	23.8	23.5	.1	.4
Services	173.9	173.9	165.0	.0	8.9
Business services	42.3	42.4	39.1	-.1	3.3
Health services	43.7	43.5	42.1	.2	1.6
Hospitals	19.9	19.8	19.4	.1	.6
Government	126.8	125.7	131.3	1.1	-4.5
Federal government	15.2	15.2	15.2	-.1	.0
State government	55.8	55.1	55.7	.7	.1
State government education[i]	23.6	22.9	24.3	.7	-.7
State government, except education	32.2	32.1	31.3	.0	.8
Local government	55.8	55.4	60.4	.4	-4.6
Local government education	34.1	33.6	33.6	.5	.5
Local government, except education	21.8	21.8	26.8	.0	-5.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$517.28	$511.18	$489.39	42.4	41.9	41.9	$12.20	$12.20	$11.68
Durable Goods[e]	519.82	515.37	492.13	42.4	41.9	41.6	12.26	12.30	11.83
Stone, clay, and glass products	516.24	523.31	482.98	42.7	43.0	41.6	12.09	12.17	11.61
Glass and glassware, pressed or blown	463.78	470.11	444.96	42.2	42.2	41.2	10.99	11.14	10.80
Fabricated metal products	519.58	504.60	531.30	41.6	40.4	42.2	12.49	12.49	12.59
Fabricated structural metal products	480.90	484.50	460.62	42.0	42.5	41.2	11.45	11.40	11.18
Machinery, except electrical	494.36	471.13	457.71	43.1	41.4	41.8	11.47	11.38	10.95
Electric and electronic equipment	502.60	502.74	450.72	42.2	42.0	40.1	11.91	11.97	11.24
Transportation equipment	639.13	642.91	576.42	44.2	44.4	41.8	14.46	14.48	13.79
Instruments and related products	413.88	402.56	410.27	40.3	39.7	38.2	10.27	10.14	10.74
Nondurable Goods[f]	512.55	501.18	484.36	42.5	41.8	42.6	12.06	11.99	11.37
Food and kindred products	469.70	447.28	458.17	42.7	41.3	42.7	11.00	10.83	10.73
Printing and publishing	600.75	598.86	575.51	40.4	40.3	40.5	14.87	14.86	14.21
Chemicals and allied products	671.80	653.87	599.62	45.3	44.3	43.8	14.83	14.76	13.69
Rubber and misc. plastics products	406.85	400.40	372.81	43.7	43.1	43.0	9.31	9.29	8.67
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	660.31	658.36	585.45	43.7	43.6	41.2	15.11	15.10	14.21
Wholesale Trade	364.81	365.19	358.15	38.2	38.2	37.7	9.55	9.56	9.50
Retail Trade[h]	196.20	190.52	187.20	28.6	28.1	28.8	6.86	6.78	6.50
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	285.13	279.81	271.13	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	395.13	392.16	350.48	34.6	34.4	33.7	11.42	11.40	10.40

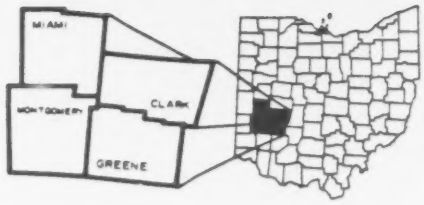
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

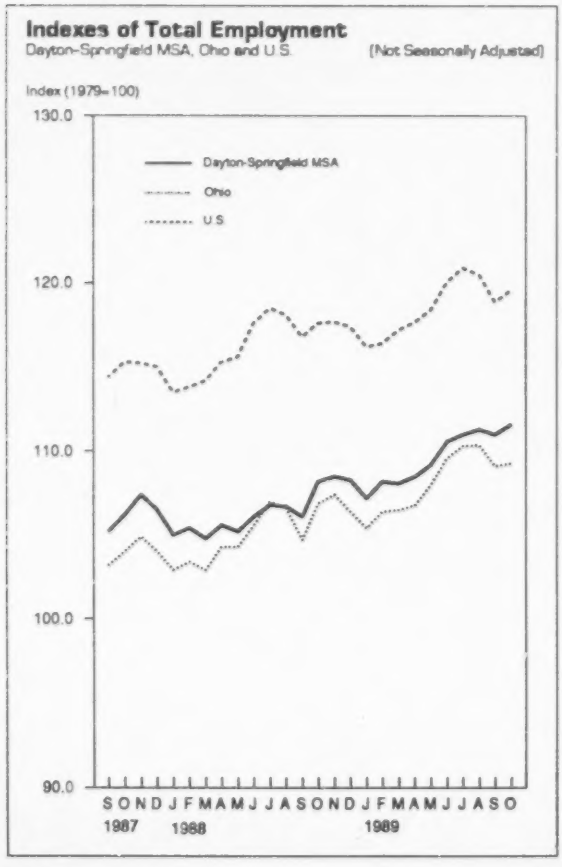
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	3,861	4,421	4,576
Active File of Job Seekers	20,757	21,335	28,286
Referrals to Jobs	1,894	2,239	2,005
Placements	404	642	634
Job Openings Received	1,427	1,518	1,106
Job Openings Unfilled	3,230	3,207	1,943
Unemployment Insurance Program			
Initial Claims	4,585	4,287	4,760
Continued Claims	31,712	29,647	34,731
First Payments	2,061	1,765	2,529
Last Payments	466	420	500
Weeks Compensated	27,146	21,010	25,377
Benefits Paid	$4,451,061	$3,382,105	$3,979,109
Average Weekly Payment	$171.50	$168.31	$161.21

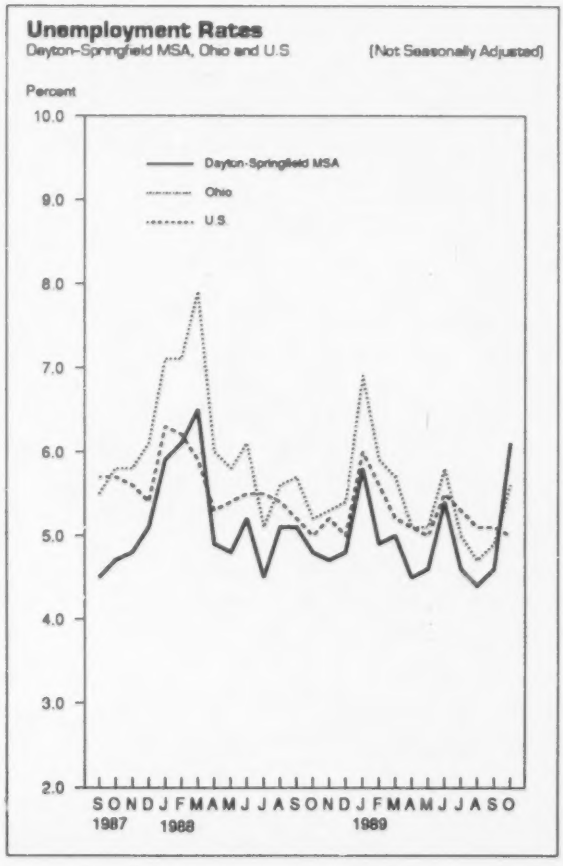
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Dayton-Springfield metropolitan area rose 2,600 above the October level to 460,100 in November 1989. The nonmanufacturing sector increased 1,200 due primarily to seasonal hirings in retail trade, especially general merchandise stores. Partial recalls in transportation equipment and the settlement of a labor-management dispute in fabricated metal products raised manufacturing employment 1,400 over the month to 102,800. Factory production worker average hourly earnings of $13.00 were $.09 higher than October. Their average workweek was .3 hours longer at 42.9 hours.

Nonagricultural wage and salary employment advanced 9,800 between November 1988 and November 1989. Major areas of expansion were services, especially business and health services, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 2,500 during the period due to significant reductions in transportation equipment, nonelectrical machinery, and rubber and miscellaneous plastics products.





Dayton–Springfield MSA Labor Force and Employment Data

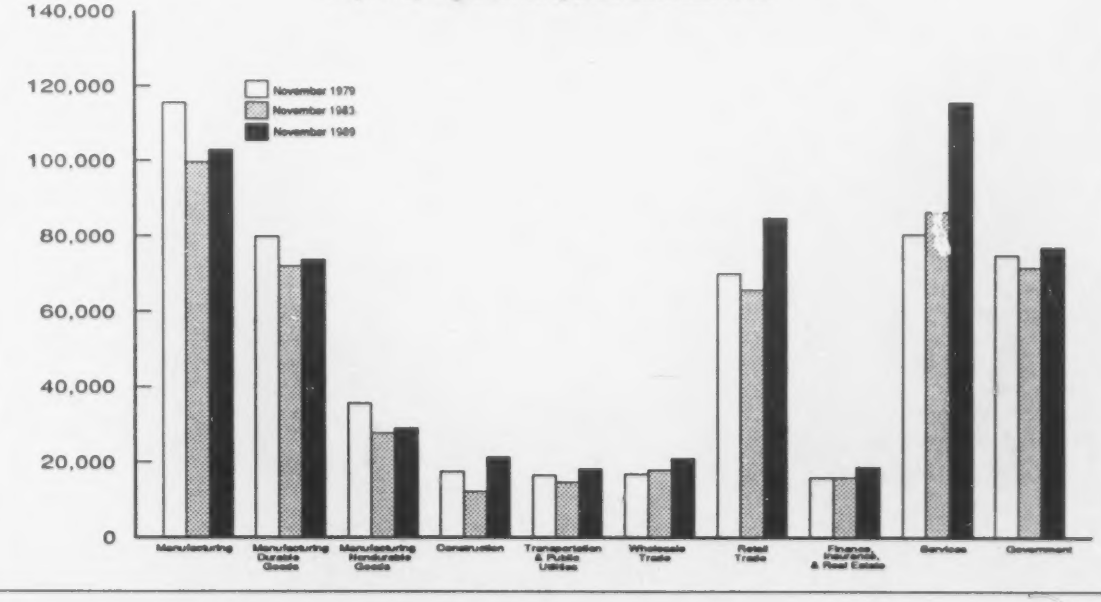
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	July	447.2	103.8	65.9	540.18	42.4	12.74
486.5	465.3	21.2	4.4	August	448.2	104.2	66.2	531.70	41.8	12.72
486.2	464.1	22.1	4.6	September	457.2	104.5	66.7	554.25	42.7	12.98
496.7	466.3	30.4	6.1	October	457.4	101.4	64.4	549.97	42.6	12.91
INA	INA	INA	INA	November	460.1	102.8	65.3	557.70	42.9	13.00

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Dayton–Springfield Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	460.1	457.4	450.3	2.6	9.8
Manufacturing	102.8	101.4	105.3	1.4	-2.5
Durable Goods[e]	73.8	72.3	75.8	1.4	-2.0
Fabricated metal products	8.3	8.0	8.3	.3	.0
Machinery, except electrical	30.1	30.0	31.1	.0	-1.0
Metalworking machinery	6.6	6.6	6.7	.0	-.1
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.7	5.7	5.8	.0	-.1
Electrical industrial apparatus	3.2	3.2	3.3	.0	-.1
Transportation equipment	19.7	18.6	20.8	1.1	-1.2
Nondurable Goods[f]	29.0	29.0	29.5	.0	-.5
Food and kindred products	3.2	3.1	3.0	.0	.1
Paper and allied products	5.7	5.7	5.9	.0	-.2
Printing and publishing	9.0	8.8	8.9	.1	.1
Rubber and misc. plastics products	7.3	7.4	7.9	-.1	-.6
Nonmanufacturing[g]	357.3	356.1	345.0	1.2	12.3
Construction	21.2	21.9	19.4	-.7	1.8
Transportation and Public Utilities	18.2	18.1	17.1	.1	1.0
Communication, electric, gas services	5.2	5.2	5.5	.0	-.3
Wholesale Trade	20.9	20.9	20.1	.0	.8
Wholesale trade-durable goods	14.2	14.2	13.8	.1	.5
Retail Trade	84.9	83.8	82.5	1.2	2.4
General merchandise stores	12.9	12.2	12.5	.7	.4
Finance, Insurance, and Real Estate	18.6	18.6	18.2	.0	.5
Banking	4.1	4.2	4.1	.0	.0
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	3.2	3.2	3.0	.1	.2
Services	115.7	115.6	109.4	.1	6.3
Business services	28.8	28.9	26.6	-.1	2.2
Health services	36.7	38.6	37.2	.1	1.6
Hospitals	19.8	19.8	19.2	.0	.6
Educational services	9.5	9.3	9.3	.2	.2
Government	77.2	76.7	77.8	.5	-.6
Federal government	28.6	29.0	27.4	-.4	1.2
State government	7.2	6.6	7.2	.5	.0
State government education[i]	4.3	3.8	4.3	.5	.0
State government, except education	2.9	2.9	2.9	.0	.0
Local government	41.5	41.1	43.3	.4	-1.7
Local government education	26.3	25.9	25.2	.4	1.1
Local government, except education	15.3	15.3	18.1	.0	-2.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$557.70	$549.97	$580.69	42.9	42.6	44.6	$13.00	$12.91	$13.02
Durable Goods[e]	574.99	568.03	597.54	43.2	43.0	45.2	13.31	13.21	13.22
Fabricated metal products	398.93	402.41	391.52	41.0	41.4	41.3	9.73	9.72	9.48
Machinery, except electrical	609.62	606.99	621.92	43.7	43.7	46.0	13.95	13.89	13.52
Metalworking machinery	635.69	613.01	587.17	48.6	47.3	47.2	13.08	12.96	12.44
General industrial machinery	487.03	464.80	513.88	43.1	41.5	44.3	11.30	11.20	11.60
Electric and electronic equipment	416.33	408.36	469.20	41.8	41.5	46.0	9.96	9.84	10.20
Electrical industrial apparatus	536.03	499.38	576.18	44.3	42.0	49.5	12.10	11.89	11.64
Transportation equipment	747.76	738.92	785.18	45.1	44.3	47.3	16.58	16.68	16.60
Nondurable Goods[f]	505.31	497.21	531.15	41.9	41.4	42.8	12.06	12.01	12.41
Food and kindred products	393.16	347.39	376.47	43.3	40.3	42.3	9.08	8.62	8.90
Paper and allied products	501.42	496.57	493.27	44.1	44.1	44.2	11.37	11.26	11.16
Printing and publishing	475.78	470.37	448.37	40.7	40.1	39.4	11.69	11.73	11.38
Rubber and misc. plastics products	650.82	644.81	737.81	40.6	40.1	44.5	16.03	16.08	16.58
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.59	570.31	565.56	41.0	41.0	40.6	13.99	13.91	13.93
Wholesale Trade	402.73	398.00	404.59	39.6	39.8	39.9	10.17	10.00	10.14
Retail Trade[h]	179.14	175.23	163.54	28.8	28.4	28.1	6.22	6.17	5.82
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	409.02	404.54	356.71	35.2	35.3	34.2	11.62	11.46	10.43

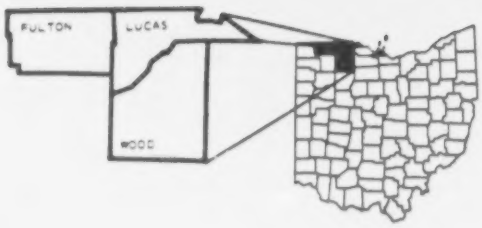
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

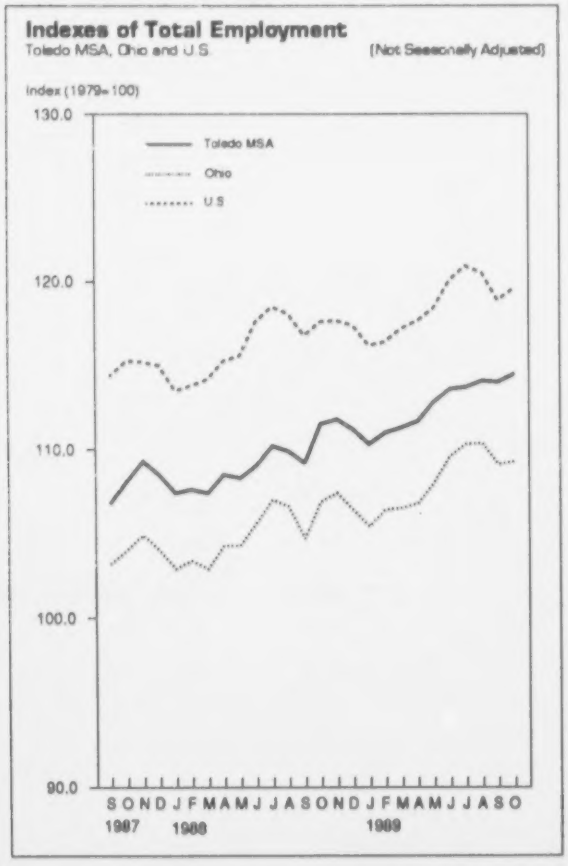
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	2,265	2,890	2,852
Active File of Job Seekers	11,167	10,965	11,787
Referrals to Jobs	1,364	1,778	1,518
Placements	358	572	374
Job Openings Received	492	1,037	677
Job Openings Unfilled	2,378	2,711	1,822
Unemployment Insurance Program			
Initial Claims	7,576	5,349	3,134
Continued Claims	27,285	25,369	20,362
First Payments	3,544	1,970	1,304
Last Payments	327	317	288
Weeks Compensated	23,941	19,534	14,910
Benefits Paid	$4,054,584	$3,258,004	$2,094,336
Average Weekly Payment	$179.77	$176.11	$143.67

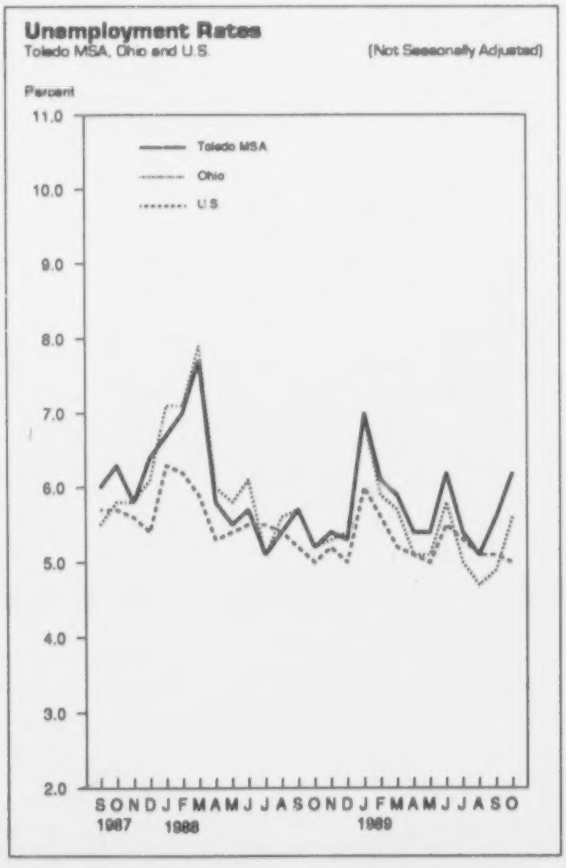
TOLEDO
METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, nonfarm payroll employment rose 1,400 above the October level to 301,000 in November 1989. Seasonal hirings in retail trade, especially general merchandise stores, and the return of nonteaching personnel in local schools more than offset reductions in construction and services. Manufacturing industries added 500 jobs over the month to 60,500 due to scattered growth among producers of durable and nondurable goods. Factory production workers averaged $13.38 per hour, up $.07 from October. Their average workweek of 44.0 hours was .6 hours longer.

Nonagricultural wage and salary employment advanced 6,500 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+4,300), retail trade (+3,200), and construction (+1,800). Reductions in transportation equipment, fabricated metal products, nonelectrical machinery, and food and kindred products lowered manufacturing employment 2,100 during the period.





Toledo MSA Labor Force and Employment Data

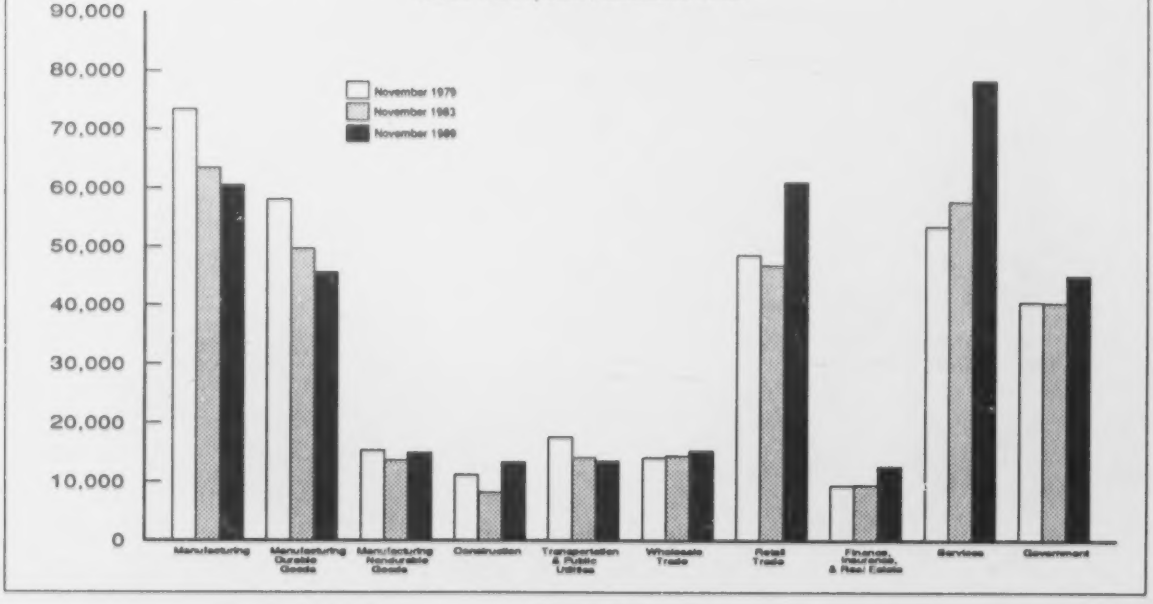
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	June	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	July	290.7	61.1	43.4	566.24	42.8	13.23
321.3	304.8	16.5	5.1	August	291.5	61.6	44.0	576.76	43.3	13.32
322.5	304.5	18.0	5.6	September	298.0	61.3	43.9	565.02	43.0	13.14
326.1	305.9	20.2	6.2	October	299.6	60.0	42.7	577.65	43.4	13.31
INA	INA	INA	INA	November	301.0	60.5	43.1	588.72	44.0	13.38

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Toledo Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	301.0	299.6	294.5	1.4	6.5
Manufacturing	60.5	60.0	62.6	.5	-2.1
Durable Goods[e]	45.6	45.2	47.3	.4	-1.8
Stone, clay, and glass products	7.5	7.5	7.6	.0	-.1
Primary metal industries	3.4	3.4	3.6	.1	-.2
Fabricated metal products	7.0	6.9	7.4	.1	-.5
Metal forgings and stampings	2.6	2.6	3.1	.0	-.5
Machinery, except electrical	5.7	5.6	6.0	.1	-.3
Electric and electronic equipment	2.0	2.0	2.2	.0	-.2
Transportation equipment	14.8	14.8	15.7	.1	-.8
Motor vehicles and equipment	13.9	13.9	14.7	.1	-.8
Nondurable Goods[f]	14.9	14.9	15.3	.1	-.3
Food and kindred products	3.9	3.9	4.2	.0	-.3
Rubber and misc. plastics products	3.5	3.5	3.5	.0	.0
Nonmanufacturing[g]	240.5	239.5	231.9	.9	8.6
Construction	13.4	13.8	11.6	-.4	1.8
Transportation and Public Utilities	13.5	13.6	13.2	.0	.3
Trucking and warehousing	5.9	5.8	5.5	.1	.4
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
Wholesale Trade	15.3	15.5	14.9	-.1	.5
Wholesale trade-durable goods	10.3	10.4	10.0	-.1	.3
Retail Trade	61.2	59.9	58.1	1.3	3.2
General merchandise stores	9.7	9.0	9.3	.7	.4
Finance, Insurance, and Real Estate	12.7	12.7	12.4	.0	.2
Banking	3.7	3.7	3.8	.0	-.1
Services	78.7	79.0	74.4	-.3	4.3
Business services	17.5	17.6	15.9	-.2	1.5
Health services	27.7	27.6	27.2	.1	.5
Hospitals	15.1	15.1	15.0	.0	.1
Government	45.4	44.8	47.0	.5	-1.6
State government	17.4	17.3	16.9	.1	.5
State government education[i]	13.2	13.1	12.8	.1	.4
State government, except education	4.2	4.2	4.1	.0	.1
Local government	25.4	24.9	27.4	.5	-2.0
Local government education	14.8	14.3	14.9	.5	-.1
Local government, except education	10.6	10.6	12.5	.0	-2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$588.72	$577.65	$605.69	44.0	43.4	45.1	$13.38	$13.31	$13.43
Durable Goods[e]	605.05	595.08	629.24	44.1	43.5	45.4	13.72	13.68	13.86
Stone, clay, and glass products	605.14	600.60	509.52	44.3	44.0	39.9	13.66	13.65	12.77
Primary metal industries	495.30	490.50	501.48	43.6	43.6	44.3	11.36	11.25	11.32
Fabricated metal products	488.07	470.95	532.67	43.5	42.2	44.8	11.22	11.16	11.89
Metal forgings and stampings	612.82	636.20	635.54	40.8	41.8	43.8	15.02	15.22	14.51
Machinery, except electrical	524.17	521.08	521.67	43.0	43.1	43.4	12.19	12.09	12.02
Electric and electronic equipment	516.52	521.66	581.76	42.9	42.9	45.7	12.04	12.16	12.73
Transportation equipment	776.54	759.24	855.60	45.2	44.4	49.6	17.18	17.10	17.25
Motor vehicles and equipment	786.36	769.41	867.26	45.3	44.5	49.9	17.37	17.29	17.38
Nondurable Goods[f]	537.34	520.65	523.47	43.9	43.1	44.1	12.24	12.08	11.87
Food and kindred products	615.52	593.97	674.84	44.7	43.9	48.1	13.77	13.53	14.03
Rubber and misc. plastics products	373.09	366.21	356.07	42.3	41.9	41.5	8.82	8.74	8.58
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	605.73	606.64	604.66	40.9	41.1	41.5	14.81	14.76	14.57
Wholesale Trade	407.88	418.54	393.22	39.6	40.4	39.8	10.30	10.36	9.88
Retail Trade[h]	163.03	160.21	158.75	27.4	27.2	27.9	5.95	5.89	5.69

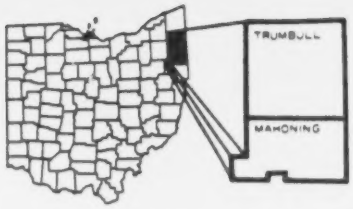
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

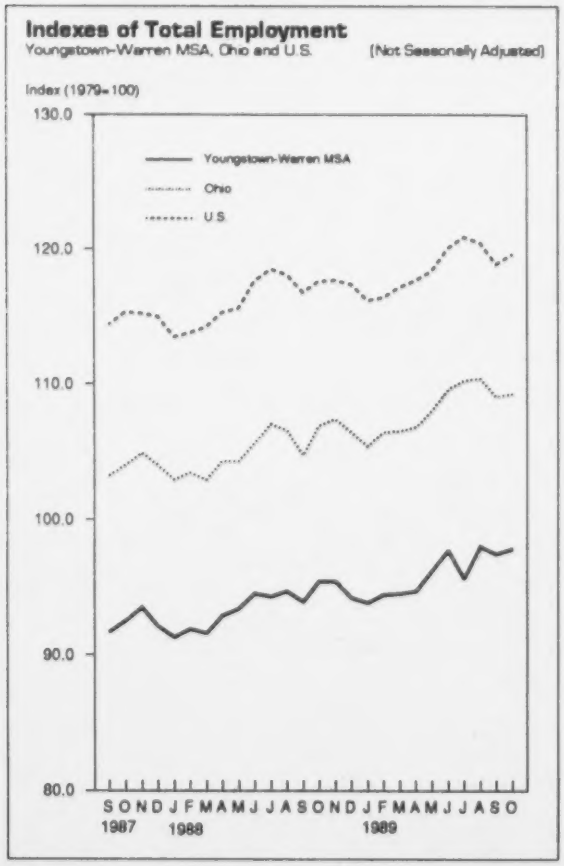
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,907	2,037	2,089
Active File of Job Seekers	11,373	11,215	17,278
Referrals to Jobs	783	1,089	1,439
Placements	262	356	584
Job Openings Received	330	525	924
Job Openings Unfilled	980	1,195	1,838
Unemployment Insurance Program			
Initial Claims	7,460	4,269	3,015
Continued Claims	26,198	19,017	17,897
First Payments	1,259	996	1,131
Last Payments	235	205	214
Weeks Compensated	18,656	14,730	12,764
Benefits Paid	$3,104,920	$2,440,437	$1,904,313
Average Weekly Payment	$179.09	$178.15	$154.01

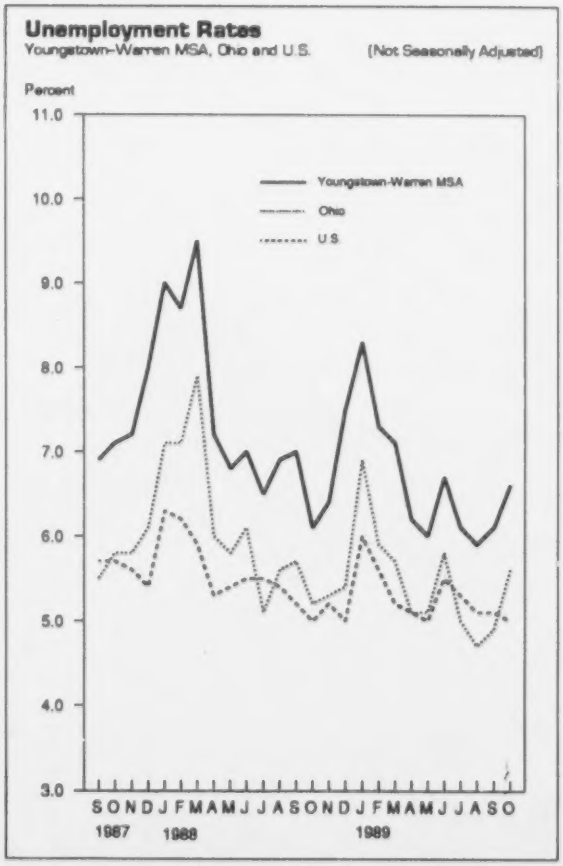
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 203,400 in November 1989, down 200 from the October level. Seasonal declines in construction and services negated modest improvements in retail trade and wholesale trade. Less business in fabricated metal products lowered manufacturing employment 100 over the month to 49,400. Factory production worker average hourly earnings of $14.16 were $.05 less than October. Their average workweek of 43.7 hours was .1 hours longer.

Nonfarm wage and salary employment advanced 3,600 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+3,300) and retail trade (+1,700). Noteworthy expansion also occurred in construction, wholesale trade, and transportation and public utilities. A significant decrease in primary metal industries and moderate declines in transportation equipment and fabricated metal products reduced the manufacturing workforce 2,500 during the period.





Youngstown-Warren MSA Labor Force and Employment Data

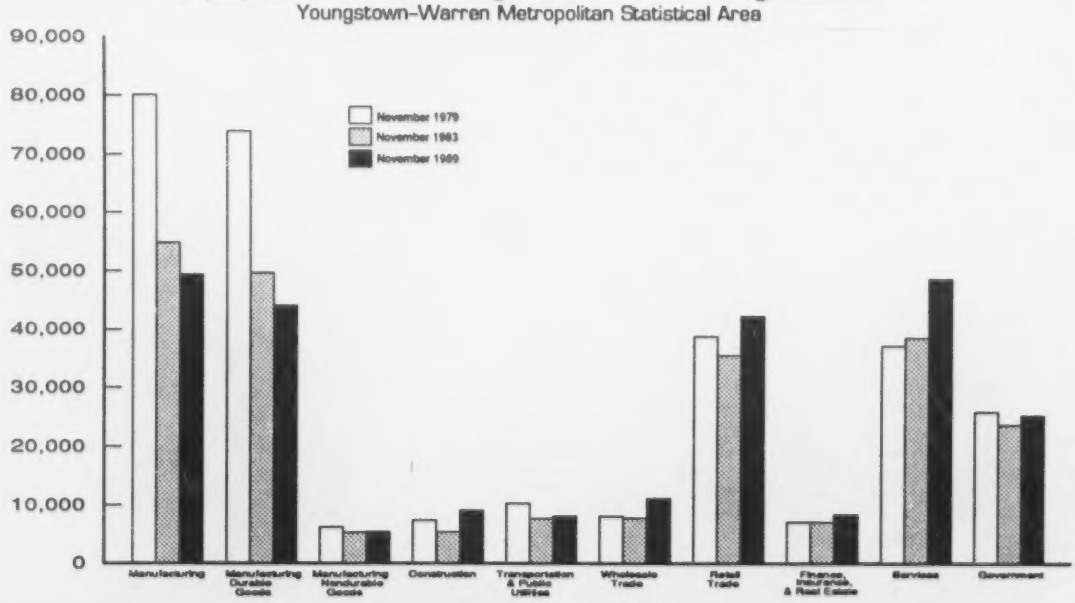
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings[1]	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84
230.2	214.9	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	July	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	August	198.9	48.9	36.8	589.96	42.2	13.98
228.1	214.2	13.9	6.1	September	202.4	49.7	37.7	612.14	43.2	14.17
230.1	215.0	15.1	6.6	October	203.6	49.5	37.5	619.56	43.6	14.21
INA	INA	INA	INA	November	203.4	49.4	37.4	618.79	43.7	14.16

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Youngstown-Warren Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	203.4	203.6	199.8	-.2	3.6
Manufacturing	49.4	49.5	51.9	-.1	-2.5
Durable Goods[e]	44.1	44.1	46.5	-.1	-2.4
Primary metal industries	18.0	18.0	19.4	.0	-1.4
Blast furnace and basic steel products	5.1	5.2	5.7	.0	-.6
Fabricated metal products	7.3	7.4	7.6	-.1	-.3
Machinery, except electrical	3.8	3.8	3.8	.0	.0
Electric and electronic equipment	2.2	2.2	2.4	.0	-.2
Transportation equipment	9.4	9.5	9.9	.0	-.5
Nondurable Goods[f]	5.3	5.4	5.4	.0	-.1
Nonmanufacturing[g]	153.9	154.1	147.9	-.2	6.0
Construction	9.1	9.6	8.2	-.5	.9
Transportation and Public Utilities	8.1	8.0	7.7	.1	.4
Communication, electric, gas services	2.7	2.7	2.9	.0	-.1
Wholesale Trade	11.1	11.0	10.5	.2	.6
Wholesale trade-durable goods	6.9	6.9	6.7	.0	.1
Retail Trade	42.3	42.0	40.7	.3	1.7
General merchandise stores	5.6	5.3	5.6	.4	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.2	.0	.1
Banking	2.8	2.8	2.7	.0	.1
Services	48.9	49.2	45.6	-.4	3.3
Health services	21.4	21.3	20.5	.0	.8
Hospitals	10.9	10.9	10.6	.0	.3
Government	25.4	25.2	26.2	.2	-.9
State government	4.7	4.6	4.5	.1	.2
State government education[f]	3.3	3.2	3.0	.1	.2
State government, except education	1.4	1.5	1.5	.0	.0
Local government	18.6	18.5	19.6	.1	-1.1
Local government education	12.1	12.0	12.0	.1	.2
Local government, except education	6.4	6.5	7.7	.0	-1.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$618.79	$619.56	$593.71	43.7	43.6	43.4	$14.16	$14.21	$13.68
Durable Goods[e]	635.23	637.87	610.05	43.9	43.9	43.7	14.47	14.53	13.96
Primary metal industries	659.74	678.97	667.92	42.4	43.0	44.0	15.56	15.79	15.18
Blast furnace and basic steel products	640.79	643.11	619.22	46.1	46.3	45.1	13.90	13.89	13.73
Fabricated metal products	618.72	618.77	597.18	44.9	45.1	44.4	13.78	13.72	13.45
Machinery, except electrical	541.01	524.17	495.22	44.2	43.0	43.1	12.24	12.19	11.49
Electric and electronic equipment	514.18	479.29	457.06	43.1	41.0	40.7	11.93	11.69	11.23
Transportation equipment	729.12	721.18	644.12	46.5	46.2	44.3	15.68	15.61	14.54
Nondurable Goods[f]	441.66	438.13	421.46	41.2	41.1	40.8	10.72	10.66	10.33
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	606.94	610.69	570.24	41.6	41.6	40.5	14.59	14.68	14.08
Wholesale Trade	382.78	382.39	376.99	38.9	38.9	39.6	9.84	9.83	9.52
Retail Trade[h]	182.28	181.16	176.29	28.0	28.0	28.9	6.51	6.47	6.10

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,816	2,381	1,972
Active File of Job Seekers	13,853	14,304	16,831
Referrals to Jobs	1,209	1,831	1,171
Placements	309	382	389
Job Openings Received	507	522	545
Job Openings Unfilled	510	520	807
Unemployment Insurance Program			
Initial Claims	4,070	3,435	4,244
Continued Claims	18,255	17,202	15,984
First Payments	1,061	1,039	1,033
Last Payments	265	240	238
Weeks Compensated	15,531	13,188	11,975
Benefits Paid	$2,280,091	$1,963,561	$1,650,145
Average Weekly Payment	$158.01	$158.92	$142.65

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	November 1989	October 1989	November 1988
New Applicants	32,748	37,382	36,413
Active File of Job Seekers	188,667	188,200	250,577
Counseling Interviews	1,029	1,095	1,208
Tests Administered	1,152	1,341	1,712
General Aptitude Tests	138	160	326
Proficiency Tests	242	345	278
Specific Aptitude Tests	98	79	206
Referrals to Jobs	20,039	24,961	25,370
Placements	4,163	5,736	6,445
Job Openings Received	8,086	10,595	10,161
Job Openings Unfilled	18,544	20,674	22,792

Selected Unemployment Insurance Activities

Ohio

	November 1989	October 1989	November 1988
Initial Claims	75,837	57,166	54,529
Continued Claims	345,699	305,369	321,870
First Payments	25,350	20,888	21,348
Last Payments	4,909	4,256	4,830
Average Weekly Claimants	74,713	67,514	67,968
Average Weekly Benefit Recipients	59,052	55,791	49,980
Weeks Compensated	281,033	131,738	229,564
Benefits Paid	$44,824,543	$21,132,992	$34,306,620
Average Weekly Payment	$168.20	$167.71	$153.93
Continued Claims for Survey Week	78,602	70,987	64,456
Insured Unemployment Rate	1.6	1.5	1.5
Net Contributions	$82,242,707	$25,297,225	$76,038,659
Active Employer Accounts	206,038	204,991	200,899